

The group  $G$  is isomorphic to the group labelled by [ 336, 208 ] in the Small Groups library.

Ordinary character table of  $G \cong \text{PSL}(3,2) : \text{C2}$ :

	1a	2a	3a	4a	7a	2b	6a	8a	8b
$\chi_1$	1	1	1	1	1	1	1	1	1
$\chi_2$	1	1	1	1	1	-1	-1	-1	-1
$\chi_3$	6	-2	0	2	-1	0	0	0	0
$\chi_4$	6	2	0	0	-1	0	0	$E(8) - E(8)^3$	$-E(8) + E(8)^3$
$\chi_5$	6	2	0	0	-1	0	0	$-E(8) + E(8)^3$	$E(8) - E(8)^3$
$\chi_6$	7	-1	1	-1	0	1	1	-1	-1
$\chi_7$	7	-1	1	-1	0	-1	-1	1	1
$\chi_8$	8	0	-1	0	1	2	-1	0	0
$\chi_9$	8	0	-1	0	1	-2	1	0	0

Trivial source character table of  $G \cong \text{PSL}(3,2) : \text{C2}$  at  $p = 3$ :

Normalisers $N_i$	$N_1$							$N_2$			
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$							$P_2$			
Representatives $n_j \in N_i$	1a	2b	7a	2a	8a	8b	4a	1a	2c	2b	2a
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	9	3	2	1	1	1	1	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	9	-3	2	1	-1	-1	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	-1	-2	0	0	2	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	-1	2	$E(8) - E(8)^3$	$-E(8) + E(8)^3$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	-1	2	$-E(8) + E(8)^3$	$E(8) - E(8)^3$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	15	3	1	-1	-1	-1	-1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	15	-3	1	-1	1	1	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	7	-1	0	-1	1	1	-1	1	-1	1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	-1	1	1	-1	-1	1	1	1	-1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	7	1	0	-1	-1	-1	-1	1	-1	-1	1

$$P_1 = \text{Group}([(())]) \cong 1$$

$$P_2 = \text{Group}([(3, 6, 4)(5, 7, 8)]) \cong \text{C3}$$

$$N_1 = \text{Group}([(2, 4)(3, 5)(7, 8), (1, 2, 3)(4, 6, 7)]) \cong \text{PSL}(3,2) : \text{C2}$$

$$N_2 = \text{Group}([(3, 6, 4)(5, 7, 8), (1, 2)(4, 6)(5, 8), (1, 2)(3, 5)(4, 7)(6, 8)]) \cong \text{D12}$$