

# Pacman Reimagined

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Welcome to Pacman Reimagined, a fresh take on the classic Pacman game with a new twist! Explore randomly generated mazes, outsmart the ghosts, and gather pellets to achieve victory. With each new playthrough, a unique maze awaits, offering endless replayability and challenge.

## Objective

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Guide Pacman through the maze, collecting pellets while avoiding the roaming ghosts. Your primary goal is to gather at least 300 pellets to win. However, you can continue playing to boost your score. Be cautious—Pacman has only 3 lives, and each time you collide with a ghost, you lose one. If all 3 lives are lost, the game is over.

## Objects

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### Pacman

A round, yellow character that you control. The player's goal is to navigate the maze, collect pellets, and avoid ghosts. The character can move in four directions: up, down, left, and right.

### Ghosts

Four unique ghosts patrol the maze, each with distinct movement patterns. Ghosts will chase Pacman if he gets too close, so stay alert! If a ghost catches you, you'll lose one of your three lives. Use your skills to dodge, outmaneuver, and survive.

### Pellets

Small, circular objects scattered throughout the maze. Collecting pellets increases your score by 1 point each. Simply move Pacman over a pellet to collect it.

## Player Controls

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### Movement

Use the arrow keys to move Pacman up, down, left, or right. Alternatively, you can use the W, A, S, and D keys.

## Scoring

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Each regular pellet collected earns you 1 points. Every time your score reaches a multiple of 100 (like 100, 200, 300), a sound will play to mark the milestone.

## Winning and Losing:

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**Winning:** Collect 300 pellets to recieve the "You Win" message, but you can keep playing to further increase your score until you lose all your lives.

**Losing:** You start with 3 lives. Each time Pacman collides with a ghost, you lose one life. Lose all 3, and it's game over.

## Tips

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- Keep an eye on the ghosts' movements and plan your path carefully to avoid them.
- Use the maze to your advantage, and don't be afraid to backtrack if it means avoiding a ghost.
- Some areas of the maze might be harder to access, but you don't need to collect every pellet—focus on reaching 300 for the win.