

# Converting Colors

XYZ(63.1814, 54.9472, 77.8000)

Have a look what the booklet for  
XYZ(63.1814, 54.9472, 77.8000)  
contains.

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# Color

**XYZ(63.1789, 54.9457,  
77.7967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9B3E0
RGB	233, 179, 224
RGB Percent	91%, 70%, 88%
CMY	0.0863, 0.2980, 0.1216
CMYK	0.00, 0.23, 0.04, 0.09
HSL	310°, 55%, 81%
HSV	310°, 23%, 91%
XYZ	63.1789, 54.9457, 77.7967
YIQ	200.2760, 17.7390, 25.4430

# Conversions

## Conversions Part 2

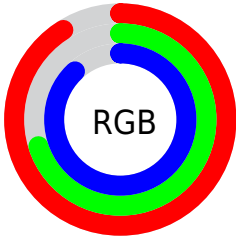
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 179, 224
Decimal	15315936
CIE Lab	79.01, 26.84, -14.99
CIE LCh	79, 30.739, 330.817
Yxy	54.9457, 0.3225, 0.2804
Android (android.graphics.Color)	4293506016 (0xFFE9B3E0)
YUV	200.2760, 11.6959, 28.6989
Hunter-Lab	74.1254, 22.4206, -10.3388

# Details

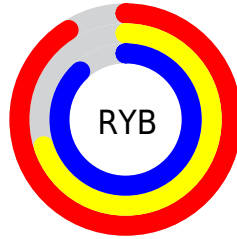
The XYZ color **63.1789, 54.9457, 77.7967** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.8086, 71.4939, 58.3857**, and the grayscale version is **54.9937, 57.8577, 63.0070**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **32.7537, 27.1334, 41.0471** is the 20% darker color. If you saturate the color by 10%, you get **58.3776, 46.1755, 73.6276**, and if you desaturate by 10%, it is **68.7846, 65.3035, 82.2945**.

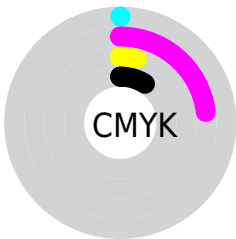
# Distribution



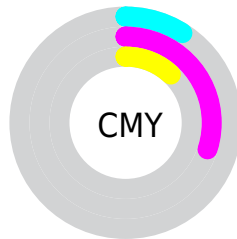
- Red (91%)
- Green (70%)
- Blue (88%)



- Red (91%)
- Yellow (70%)
- Blue (88%)



- Cyan (0%)
- Magenta (23%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1789, 54.9457, 77.7967 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 63.1789, 54.9457, 77.7967 by changing the saturation by 10% instead.



63.1789, 54.9457,  
77.7967

63.1789, 54.9457,  
77.7967

425.8678,  
405.7061, 506.9857

46.2451, 39.3582,  
57.3915

108.5079, 97.4614,  
132.0468

32.6448, 27.0385,  
40.9082

137.6339,  
125.1584, 166.7287

22.0124, 17.6022,  
27.9282

171.5547,  
157.6608, 207.0067

13.9826, 10.6647,  
18.0330

210.6356,  
195.3528, 253.2992

8.1902, 5.8419,  
10.8040

255.2420,  
238.6190, 306.0249

4.2697, 2.7492,  
5.8227

305.7393,

1.8558, 1.0022,

287.8437, 365.6021

2.6705

362.4928,  
343.4112, 432.4496

■ 0.5510, 0.0000,  
0.9285

■ 0.0000, 0.0000,  
0.0000

■ 63.1789, 54.9457,  
77.7967

■ 63.1789, 54.9457,  
77.7967

■ 58.3776, 46.1755,  
73.6276

■ 68.7846, 65.3035,  
82.2945

■ 54.3359, 38.9065,  
69.7702

■ 75.2265, 77.3154,  
87.1301

■ 51.0124, 33.0547,  
66.2107

■ 82.5411, 91.0529,  
92.3168

■ 48.3595, 28.5254,  
62.9329

■ 85.0239, 95.1076,  
95.9534

46.3240, 25.2119,  
59.9187

85.6058, 95.3403,  
99.0172

44.8441, 22.9913,  
57.1471

86.2000, 95.5780,  
102.1464

43.8454, 21.7144,  
54.5928

86.8067, 95.8207,  
105.3414

43.3607, 21.2263,  
52.9474

87.4147, 96.0638,  
108.5427

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.4835, 54.9457, 93.6620



63.1789, 54.9457, 77.7967



64.8874, 54.9457, 59.3474

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.1789, 54.9457, 77.7967



52.0567, 54.9457, 32.0742



42.7619, 54.9457, 78.7923

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.1789, 54.9457, 77.7967



56.8086, 71.4939, 58.3857

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.3261, 54.9457, 60.3083



63.1789, 54.9457, 77.7967



46.4283, 54.9457, 35.3135

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1789, 54.9457, 77.7967



58.1707, 54.9457, 34.9765



42.6152, 54.9457, 44.8614



46.6975, 54.9457, 94.3112



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1789, 54.9457, 77.7967



64.0056, 54.9457, 48.6377



42.6152, 54.9457, 44.8614



41.9853, 54.9457, 72.6118

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.1806, 54.9481, 77.7979



89.1422, 88.9451, 104.5858



51.5696, 48.8176, 83.7964



18.9763, 18.8443, 22.3082



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1806, 54.9481, 77.7979



74.4901, 61.8521, 92.8850



59.8044, 53.5976, 60.0191



15.6007, 15.2681, 18.4487



24.6433, 12.0600, 30.2528



1.9637, 0.9585, 2.5264



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.1806, 54.9481, 77.7979



74.4901, 61.8521, 92.8850



59.9970, 72.7693, 75.1754



15.6007, 15.2681, 18.4487



24.6433, 12.0600, 30.2528

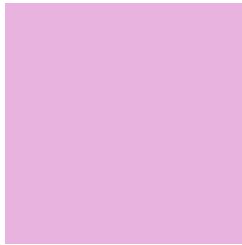


1.9637, 0.9585, 2.5264



# Previews

## White Background



This preview shows how the XYZ color 63.1789, 54.9457, 77.7967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

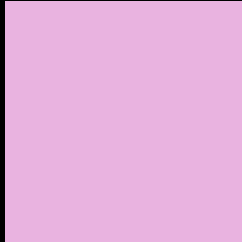
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1789, 54.9457, 77.7967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

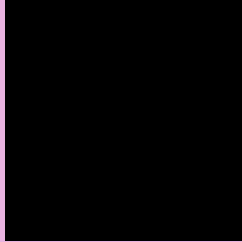
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.1789, 54.9457, 77.7967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.1789, 54.9457, 77.7967.



This preview shows how white text looks on a background with the XYZ color 63.1789, 54.9457,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

63.1789, 54.9457, 77.7967

### Protanopia

54.8821, 55.2155, 85.6070

### Deuteranopia

56.4442, 55.2320, 76.7932



## Tritanopia

59.6466, 55.0162, 60.9016

# Trichromacy



## Original Color

63.1789, 54.9457, 77.7967



## Protanomaly

57.3824, 54.9457, 82.4441



## Deuteranomaly

58.8212, 55.1645, 77.3596



## Tritanomaly

60.6236, 54.7839, 66.4106

# Monochromacy



## Original Color

63.1789, 54.9457, 77.7967



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

57.5096, 56.2998, 68.1575

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1789, 54.9457, 77.7967 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 179, 224)` looks like.

```
.text, #text, p{  
    color:rgb(233, 179, 224)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 179, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 179, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1789, 54.9457, 77.7967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 179, 224) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 179, 224) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 179, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 179, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 179, 224);  
box-shadow:4px 4px 4px 4px rgb(233, 179,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1789, 54.9457, 77.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 179, 224) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
179, 224) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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