

# Converting Colors

XYZ(54.9477, 38.9795, 68.4241)

Have a look what the booklet for  
XYZ(54.9477, 38.9795, 68.4241)  
contains.

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# Color

**XYZ(54.8460, 38.9205,  
68.2400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC83D6
RGB	236, 131, 214
RGB Percent	93%, 51%, 84%
CMY	0.0745, 0.4863, 0.1608
CMYK	0.00, 0.44, 0.09, 0.07
HSL	313°, 73%, 72%
HSV	313°, 44%, 93%
XYZ	54.8460, 38.9205, 68.2400
YIQ	171.8570, 35.9370, 48.0730

# Conversions

## Conversions Part 2

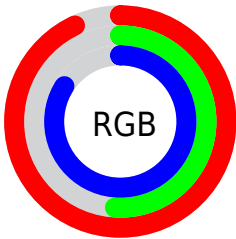
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 131, 214
Decimal	15500246
CIE Lab	68.69, 51.21, -25.13
CIE LCh	69, 57.043, 333.860
Yxy	38.9205, 0.3385, 0.2402
Android (android.graphics.Color)	4293690326 (0xFFEC83D6)
YUV	171.8570, 20.7765, 56.2534
Hunter-Lab	62.3863, 47.7496, -21.1828

# Details

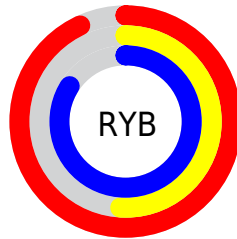
The XYZ color **54.8460, 38.9205, 68.2400** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.1071, 67.1175, 40.7173**, and the grayscale version is **39.0272, 41.0596, 44.7140**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **27.2720, 17.2759, 34.6981** is the 20% darker color. If you saturate the color by 10%, you get **51.4081, 33.0395, 64.0254**, and if you desaturate by 10%, it is **59.0274, 46.2564, 72.7977**.

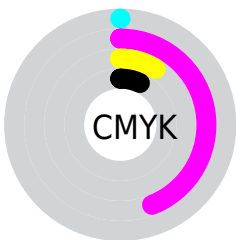
# Distribution



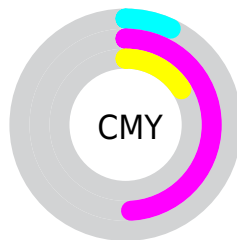
- Red (93%)
- Green (51%)
- Blue (84%)



- Red (93%)
- Yellow (51%)
- Blue (84%)



- Cyan (0%)
- Magenta (44%)
- Yellow (9%)
- Black (7%)




- Cyan (7%)
- Magenta (49%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8460, 38.9205, 68.2400 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 54.8460, 38.9205, 68.2400 by changing the saturation by 10% instead.





 54.8460, 38.9205,  
68.2400


 54.8460, 38.9205,  
68.2400


395.4738,  
341.5524, 472.9670


 39.5118, 26.6979,  
49.6251


 96.4649, 73.5169,  
118.3529

 27.3406, 17.3465,  
34.7465


 123.4803, 96.6594,  
150.6879

 17.9671, 10.4818,  
23.1857


 155.1202,  
124.2107, 188.4335

 11.0259, 5.7196,  
14.5241

191.7499,  
156.5551, 232.0080

 6.1517, 2.6753,  
8.3432

233.7348,  
194.0771, 281.8301

 2.9791, 0.9647,  
4.2244

281.4401,

 1.1427, 0.0000,

237.1611, 338.3182

1.7492

335.2314,  
286.1914, 401.8910

■ 0.0604, 0.0000,  
0.3942

■ 0.0000, 0.0000,  
0.0000

■ 54.8460, 38.9205,  
68.2400

■ 54.8460, 38.9205,  
68.2400

■ 51.4081, 33.0395,  
64.0254

■ 59.0274, 46.2564,  
72.7977

■ 48.6601, 28.5085,  
60.1343


■ 63.9936, 55.1318,  
77.7122


■ 46.5471, 25.2176,  
56.5477


■ 69.7875, 65.6312,  
82.9987


■ 45.0042, 23.0367,  
53.2433


■ 76.4475, 77.8314,  
88.6709

 43.9517, 21.8071,  
50.1935


 84.0097, 91.8042,  
94.7417

 43.5140, 21.4017,  
48.5991

 86.6318, 95.8648,  
99.2644

 87.3916, 96.1687,  
103.2657

 88.1717, 96.4808,  
107.3738

 88.4025, 96.5731,  
108.5889

# Harmonies

## Analogous

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



47.5201, 38.9205, 98.4435



54.8460, 38.9205, 68.2400



57.1321, 38.9205, 39.1220

# Triad

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



54.8460, 38.9205, 68.2400



35.8377, 38.9205, 9.6305



24.3803, 38.9205, 76.5078

# Complementary

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



54.8460, 38.9205, 68.2400



45.1071, 67.1175, 40.7173

# 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.



22.2482, 38.9205, 45.8094



54.8460, 38.9205, 68.2400



28.1477, 38.9205, 13.0685

# Square

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



54.8460, 38.9205, 68.2400



45.1708, 38.9205, 11.6012



23.5070, 38.9205, 24.0471



29.8666, 38.9205, 104.4243



# Rectangle

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



54.8460, 38.9205, 68.2400



55.2262, 38.9205, 25.2961



23.5070, 38.9205, 24.0471



23.2920, 38.9205, 65.8081

# Sweetspot

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



54.8472, 38.9223, 68.2408



84.2731, 80.2036, 99.8899



36.2074, 28.9662, 83.0405



17.6845, 16.5225, 21.0701



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.



54.8472, 38.9223, 68.2408



61.7596, 40.1853, 76.9439



49.2761, 36.6938, 38.9034



15.5718, 15.2566, 18.2962



24.0343, 11.8164, 27.0456



1.9211, 0.9414, 2.3020



# Inverse Universe

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



54.8472, 38.9223, 68.2408



61.7596, 40.1853, 76.9439



50.3162, 69.2012, 68.1485



15.5718, 15.2566, 18.2962



24.0343, 11.8164, 27.0456

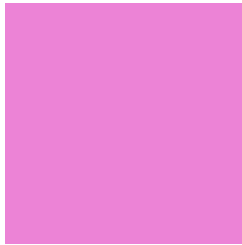


1.9211, 0.9414, 2.3020



# Previews

## White Background



This preview shows how the XYZ color 54.8460, 38.9205, 68.2400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

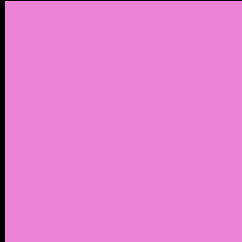
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8460, 38.9205, 68.2400 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 54.8460, 38.9205, 68.2400**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8460, 38.9205, 68.2400.



This preview shows how white text looks on a background with the XYZ color 54.8460, 38.9205,



# 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

54.8460, 38.9205, 68.2400

### Protanopia

40.8660, 39.4930, 87.9071

### Deuteranopia

40.1501, 39.3568, 65.1550



## Tritanopia

48.1191, 38.9376, 35.5514

# Trichromacy



## Original Color

54.8460, 38.9205, 68.2400



## Protanomaly

43.9465, 37.8991, 80.6003



## Deuteranomaly

44.2593, 38.3828, 66.0487



## Tritanomaly

50.3478, 38.7556, 45.9013

# Monochromacy



## Original Color

54.8460, 38.9205, 68.2400



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

43.5323, 39.3039, 52.3057

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8460, 38.9205, 68.2400 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(236, 131, 214)` looks like.

```
.text, #text, p{  
    color:rgb(236, 131, 214)  
}
```

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(236, 131, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 131, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8460, 38.9205, 68.2400 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(236, 131, 214) }
```



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

```
.border{ border-color:rgb(236, 131, 214) }
```

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

Here you see how a box with a 4 pixel rgb(236, 131, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 131, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 131, 214);  
box-shadow:4px 4px 4px 4px rgb(236, 131,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8460, 38.9205, 68.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 131, 214) }
```

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

```
.background{ background-color: rgb(236,  
131, 214) }
```

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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