

# Converting Colors

XYZ(57.8099, 45.1592, 70.5216)

Have a look what the booklet for  
XYZ(57.8099, 45.1592, 70.5216)  
contains.

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# Color

**XYZ(57.8839, 45.0765,  
70.6156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB98D8
RGB	235, 152, 216
RGB Percent	92%, 60%, 85%
CMY	0.0784, 0.4039, 0.1529
CMYK	0.00, 0.35, 0.08, 0.08
HSL	314°, 67%, 76%
HSV	314°, 35%, 92%
XYZ	57.8839, 45.0765, 70.6156
YIQ	184.1130, 28.9240, 37.5000

# Conversions

## Conversions Part 2

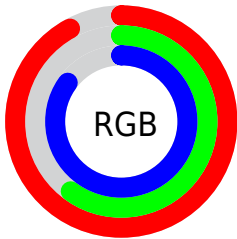
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">235, 152, 216</a>
Decimal	<a href="#">15440088</a>
CIELab	<a href="#">72.94, 40.44, -19.77</a>
CIELCh	<a href="#">73, 45.017, 333.949</a>
Yxy	<a href="#">45.0765, 0.3335, 0.2597</a>
Android (android.graphics.Color)	<a href="#">4293630168 (0xFFEB98D8)</a>
YUV	<a href="#">184.1130, 15.7203, 44.6279</a>
Hunter-Lab	<a href="#">67.1390, 36.4004, -15.3628</a>

# Details

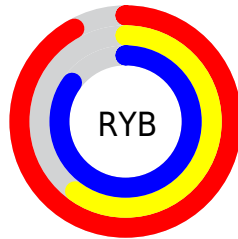
The XYZ color **57.8839, 45.0765, 70.6156** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **50.0099, 69.0338, 49.2200**, and the grayscale version is **45.5283, 47.8993, 52.1624**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **29.2550, 20.9619, 36.2224** is the 20% darker color. If you saturate the color by 10%, you get **53.7570, 37.9170, 65.8646**, and if you desaturate by 10%, it is **62.7919, 53.7603, 75.7403**.

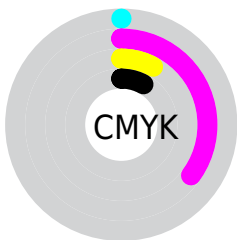
# Distribution



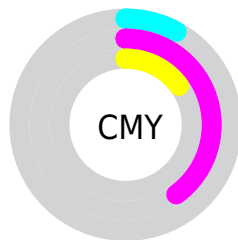
- Red (92%)
- Green (60%)
- Blue (85%)



- Red (92%)
- Yellow (60%)
- Blue (85%)



- Cyan (0%)
- Magenta (35%)
- Yellow (8%)
- Black (8%)




- Cyan (8%)
- Magenta (40%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8839, 45.0765, 70.6156 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 57.8839, 45.0765, 70.6156 by changing the saturation by 10% instead.




 57.8839, 45.0765,  
70.6156


 57.8839, 45.0765,  
70.6156


406.7140,  
367.0833, 481.5559

 41.9582, 31.5177,  
51.5487


 100.8777, 82.8352,  
121.7756

 29.2595, 20.9934,  
36.2657


 128.6765,  
107.8039, 154.7057

 19.4225, 13.1192,  
24.3481


161.1638,  
137.3446, 193.0939

 12.0818, 7.5106,  
15.3775

198.7049,  
171.8418, 237.3588

 6.8720, 3.7835,  
8.9352

241.6651,  
211.6799, 287.9189

 3.4278, 1.5532,  
4.6027

290.4097,

 1.3838, 0.3257,

257.2433, 345.1928

1.9615

345.3043,  
308.9163, 409.5989

■ 0.2447, 0.0000,  
0.5314

■ 0.0000, 0.0000,  
0.0000

■ 57.8839, 45.0765,  
70.6156

■ 57.8839, 45.0765,  
70.6156

■ 53.7570, 37.9170,  
65.8646

■ 62.7919, 53.7603,  
75.7403

■ 50.3621, 32.1860,  
61.4685

■ 68.5182, 64.0447,  
81.2506

■ 47.6506, 27.7862,  
57.4104

■ 75.1027, 76.0082,  
87.1615

■ 45.5664, 24.6057,  
53.6706

■ 82.5812, 89.7224,  
93.4858

44.0443, 22.5140,  
50.2261

86.1840, 95.6474,  
98.6347

43.0037, 21.3509,  
47.0491

87.0082, 95.9771,  
102.9748

42.6226, 21.0069,  
45.6332

87.8564, 96.3164,  
107.4414

88.0714, 96.4024,  
108.5734

# Harmonies

## Analogous

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



51.8373, 45.0765, 94.3767



57.8839, 45.0765, 70.6156



59.7333, 45.0765, 46.1634

# Triad

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



57.8839, 45.0765, 70.6156



41.8127, 45.0765, 17.3550



31.5040, 45.0765, 77.3932

# Complementary

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



57.8839, 45.0765, 70.6156



50.0099, 69.0338, 49.2200

# 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.



29.4820, 45.0765, 52.1183



57.8839, 45.0765, 70.6156



34.9559, 45.0765, 21.2476

# Square

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



57.8839, 45.0765, 70.6156



49.8197, 45.0765, 19.5890



30.6647, 45.0765, 32.4402



36.5516, 45.0765, 99.0554



# Rectangle

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



57.8839, 45.0765, 70.6156



58.1702, 45.0765, 33.5425



30.6647, 45.0765, 32.4402



30.4779, 45.0765, 68.8005

# Sweetspot

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



57.8853, 45.0785, 70.6165



85.7286, 82.9841, 100.7774



42.7996, 37.0012, 83.4844



18.1228, 17.3508, 21.3651



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.



57.8853, 45.0785, 70.6165



66.1649, 48.1487, 81.0243



53.2796, 43.2363, 46.3635



15.5587, 15.2513, 18.2274



23.7721, 11.7115, 25.6650



1.9026, 0.9340, 2.2045



# Inverse Universe

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



57.8853, 45.0785, 70.6165



66.1649, 48.1487, 81.0243



54.4775, 70.8209, 72.7463



15.5587, 15.2513, 18.2274



23.7721, 11.7115, 25.6650



1.9026, 0.9340, 2.2045



# Previews

## White Background



This preview shows how the XYZ color 57.8839, 45.0765, 70.6156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

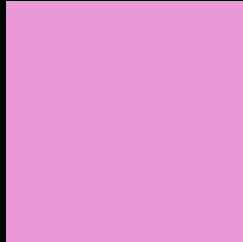
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8839, 45.0765, 70.6156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

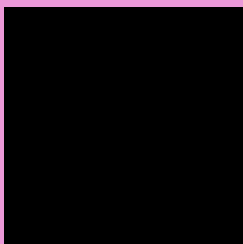
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.8839, 45.0765, 70.6156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8839, 45.0765, 70.6156.



This preview shows how white text looks on a background with the XYZ color 57.8839, 45.0765,



# 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

57.8839, 45.0765, 70.6156

### Protanopia

45.8833, 45.2773, 84.1630

### Deuteranopia

46.2697, 45.2372, 68.5803



## Tritanopia

52.7468, 44.9817, 45.4374

# Trichromacy



## Original Color

57.8839, 45.0765, 70.6156



## Protanomaly

49.1030, 44.4985, 78.6741



## Deuteranomaly

49.9164, 44.8590, 68.9786



## Tritanomaly

54.5210, 44.9439, 53.9456

# Monochromacy



## Original Color

57.8839, 45.0765, 70.6156



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

49.3449, 46.1871, 58.5388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8839, 45.0765, 70.6156 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(235, 152, 216)` looks like.

```
.text, #text, p{  
    color:rgb(235, 152, 216)  
}
```

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(235, 152, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 152, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8839, 45.0765, 70.6156 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(235, 152, 216) }
```



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

```
.border{ border-color:rgb(235, 152, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 152, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 152, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 152, 216);  
box-shadow:4px 4px 4px 4px rgb(235, 152,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8839, 45.0765, 70.6156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 152, 216) }
```

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

```
.background{ background-color: rgb(235,  
152, 216) }
```

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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