

# Converting Colors

XYZ(44.5890, 21.9742, 68.0490)

Have a look what the booklet for  
XYZ(44.5890, 21.9742, 68.0490)  
contains.

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# Color

**XYZ(44.6398, 22.0056,  
68.2244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E317DA
RGB	227, 23, 218
RGB Percent	89%, 9%, 85%
CMY	0.1098, 0.9097, 0.1451
CMYK	0.00, 0.90, 0.04, 0.11
HSL	303°, 82%, 49%
HSV	303°, 90%, 89%
XYZ	44.6398, 22.0056, 68.2244
YIQ	106.2260, 58.9890, 103.8930

# Conversions

## Conversions Part 2

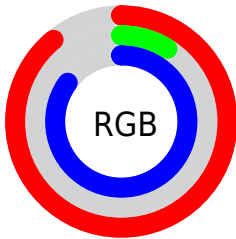
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 23, 218
Decimal	14882778
CIE Lab	54.03, 86.79, -50.40
CIE LCh	54, 100.360, 329.858
Yxy	22.0056, 0.3310, 0.1632
Android (android.graphics.Color)	4293072858 (0xFFE317DA)
YUV	106.2260, 55.1046, 105.9188
Hunter-Lab	46.9101, 87.7683, -53.3922

# Details

The XYZ color **44.6398, 22.0056, 68.2244** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **28.0842, 55.2256, 10.5474**, and the grayscale version is **13.6070, 14.3157, 15.5898**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **22.4579, 10.8241, 35.0880** is the 20% darker color. If you saturate the color by 10%, you get **44.2066, 21.3477, 67.4354**, and if you desaturate by 10%, it is **45.4315, 23.3779, 69.1371**.

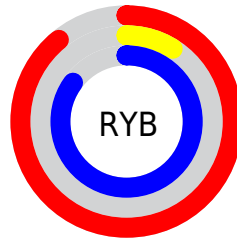
# Distribution



Red (89%)

Green (9%)

Blue (85%)



Red (89%)

Yellow (9%)

Blue (85%)

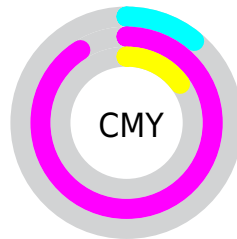


Cyan (0%)

Magenta (90%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (91%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6398, 22.0056, 68.2244 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 44.6398, 22.0056, 68.2244 by changing the saturation by 10% instead.




 44.6398, 22.0056,  
68.2244


 44.6398, 22.0056,  
68.2244


356.1211,  
262.5755, 472.9103

 31.3739, 13.8610,  
49.6125


 81.4200, 46.7553,  
118.3304


 21.0369, 8.0241,  
34.7366


 105.6650, 64.1291,  
150.6615


 13.2636, 4.1103,  
23.1781


 134.3005, 85.3482,  
188.4028

 7.6886, 1.7355,  
14.5185

 167.6916,  
110.7969, 231.9727

 3.9464, 0.4465,  
8.3393

 206.2039,  
140.8595, 281.7899

 1.6719, 0.0000,  
4.2220

250.2027,

 0.4386, 0.0000,

175.9206, 338.2729

1.7479

300.0533,  
216.3645, 401.8402

■ 0.0000, 0.0000,  
0.3932

■ 0.0000, 0.0000,  
0.0000

■ 44.6398, 22.0056,  
68.2244

■ 44.6398, 22.0056,  
68.2244

■ 44.2066, 21.3477,  
67.4354

■ 45.4315, 23.3779,  
69.1371

■ 44.2013, 21.3400,  
67.4245

■ 46.6903, 25.6838,  
70.2094

■ 48.4822, 29.0546,  
71.4632

■ 50.8618, 33.5995,  
72.9168

■ 53.8770, 39.4145,  
74.5863

■ 57.5710, 46.5857,  
76.4860

■ 61.9829, 55.1914,  
78.6289

■ 67.1490, 65.3043,  
81.0272

■ 73.1031, 76.9919,  
83.6921

# Harmonies

## Analogous

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



33.1152, 22.0056, 122.0989



44.6398, 22.0056, 68.2244



49.4809, 22.0056, 24.1090

# Triad

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



44.6398, 22.0056, 68.2244



20.9675, 22.0056, 0.0000



7.5388, 22.0056, 67.7095

# Complementary

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



44.6398, 22.0056, 68.2244



28.0842, 55.2256, 10.5474

# 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.



6.2215, 22.0056, 23.8123



44.6398, 22.0056, 68.2244



12.1542, 22.0056, 0.4280

# Square

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



44.6398, 22.0056, 68.2244



33.2372, 22.0056, 0.4454



7.5650, 22.0056, 4.7389



12.0918, 22.0056, 121.6601



# Rectangle

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



44.6398, 22.0056, 68.2244



47.3112, 22.0056, 8.8565



7.5650, 22.0056, 4.7389



6.7908, 22.0056, 50.5238

# Sweetspot

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



44.6407, 22.0066, 68.2248



76.3952, 63.4669, 100.2877



14.7022, 6.4330, 73.1407



15.9576, 12.8170, 21.2701



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.



44.6407, 22.0066, 68.2248



57.5309, 27.7764, 87.7166



35.2683, 18.2577, 18.8706



14.9662, 14.6037, 18.0224



25.7899, 12.4502, 39.3841



1.9143, 0.9234, 2.9554



# Inverse Universe

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



44.6407, 22.0066, 68.2248



57.5309, 27.7764, 87.7166



31.9751, 56.7820, 31.0364



14.9662, 14.6037, 18.0224



25.7899, 12.4502, 39.3841

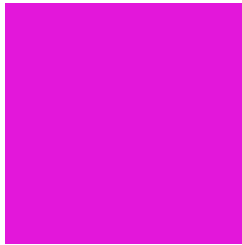


1.9143, 0.9234, 2.9554



# Previews

## White Background



This preview shows how the XYZ color 44.6398, 22.0056, 68.2244 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

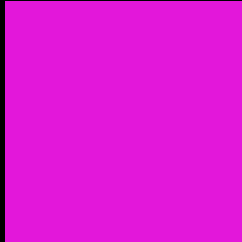
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6398, 22.0056, 68.2244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

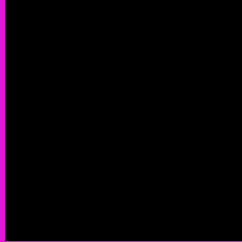
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.6398, 22.0056, 68.2244**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6398, 22.0056, 68.2244.



This preview shows how white text looks on a background with the XYZ color 44.6398, 22.0056,



# 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

44.6398, 22.0056, 68.2244

### Protanopia

26.6831, 22.7460, 97.5918

### Deuteranopia

23.0266, 22.4477, 60.8768



## Tritanopia

33.1155, 21.9028, 12.8382

# Trichromacy



## Original Color

44.6398, 22.0056, 68.2244



## Protanomaly

26.2815, 17.0003, 85.9006



## Deuteranomaly

26.0214, 17.6243, 63.0031



## Tritanomaly

35.6343, 20.5618, 26.1355

# Monochromacy



## Original Color

44.6398, 22.0056, 68.2244



## Achromatopsia

13.6994, 14.4128, 15.6956



## Achromatomaly

20.4286, 13.7595, 29.1829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6398, 22.0056, 68.2244 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(227, 23, 218)` looks like.

```
.text, #text, p{  
    color:rgb(227, 23, 218)  
}
```

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(227, 23, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 23, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6398, 22.0056, 68.2244 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(227, 23, 218) }
```



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

```
.border{ border-color:rgb(227, 23, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 23, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 23, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 23, 218);  
box-shadow:4px 4px 4px 4px rgb(227, 23,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6398, 22.0056, 68.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 23, 218) }
```

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

```
.background{ background-color: rgb(227, 23,  
218) }
```

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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