

# Converting Colors

XYZ(44.5061, 21.4601, 69.1136)

Have a look what the booklet for  
XYZ(44.5061, 21.4601, 69.1136)  
contains.

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# Color

**XYZ(44.4647, 21.4454,  
68.8136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E300DB
RGB	227, 0, 219
RGB Percent	89%, 0%, 86%
CMY	0.1098, 0.9998, 0.1412
CMYK	0.00, 1.00, 0.04, 0.11
HSL	302°, 100%, 45%
HSV	302°, 100%, 89%
XYZ	44.4647, 21.4454, 68.8136
YIQ	92.8390, 64.9930, 116.2330

# Conversions

## Conversions Part 2

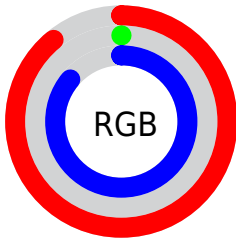
Format	Color
R <sub>Y</sub> B	227, 0, 219
Decimal	14876891
CIE Lab	53.43, 88.86, -51.92
CIE LCh	53, 102.920, 329.704
Yxy	21.4454, 0.3300, 0.1592
Android (android.graphics.Color)	4293066971 (0xFFE300DB)
YUV	92.8390, 62.1974, 117.6592
Hunter-Lab	46.3092, 90.3493, -55.6862

# Details

The XYZ color **44.4647, 21.4454, 68.8136** 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 **27.5139, 54.9567, 9.3885**, and the grayscale version is **10.2218, 10.7541, 11.7113**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.5472, 10.8598, 35.5581** is the 20% darker color. If you saturate the color by 10%, you get **44.4649, 21.4455, 68.8129**, and if you desaturate by 10%, it is **44.8720, 22.0903, 69.4706**.

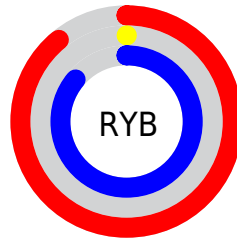
# Distribution



Red (89%)

Green (0%)

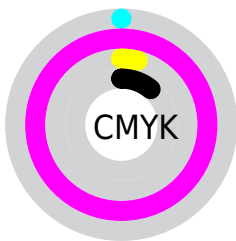
Blue (86%)



Red (89%)

Yellow (0%)

Blue (86%)

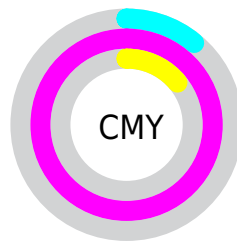


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (100%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4647, 21.4454, 68.8136 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 44.4647, 21.4454, 68.8136 by changing the saturation by 10% instead.





 44.4647, 21.4454,  
68.8136


 44.4647, 21.4454,  
68.8136


355.4215,  
259.6362, 475.0494


 31.2355, 13.4500,  
50.0891

 81.1586, 45.8276,  
119.1805


 20.9309, 7.7391,  
35.1125


 105.3539, 62.9832,  
151.6600


 13.1857, 3.9285,  
23.4653


 133.9354, 83.9610,  
189.5615

 7.6344, 1.6336,  
14.7290

 167.2683,  
109.1453, 233.3037

 3.9118, 0.3801,  
8.4849

 205.7180,  
138.9206, 283.3050

 1.6523, 0.0000,  
4.3146

249.6499,

 0.4262, 0.0000,

173.6712, 339.9841

1.7994

299.4293,  
213.7816, 403.7593

■ 0.0000, 0.0000,  
0.4276

■ 0.0000, 0.0000,  
0.0000

■ 44.4647, 21.4454,  
68.8136

■ 44.4647, 21.4454,  
68.8136

■ 44.4649, 21.4455,  
68.8129

■ 44.8720, 22.0903,  
69.4706

■ 45.6322, 23.4408,  
70.2475

■ 46.8591, 25.7241,  
71.1825

■ 48.6181, 29.0706,  
72.2974

■ 50.9639, 33.5900,  
73.6105

■ 53.9446, 39.3782,  
75.1376

■ 57.6031, 46.5213,  
76.8932

■ 61.9788, 55.0981,  
78.8904

■ 67.1080, 65.1809,  
81.1413

# Harmonies

## Analogous

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



32.6797, 21.4454, 124.4485



44.4647, 21.4454, 68.8136



49.4718, 21.4454, 23.6632

# Triad

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



44.4647, 21.4454, 68.8136



20.4922, 21.4454, 0.0000



7.0304, 21.4454, 67.7107

# Complementary

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



44.4647, 21.4454, 68.8136



27.5139, 54.9567, 9.3885

# 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.



5.7572, 21.4454, 23.0403



44.4647, 21.4454, 68.8136



11.6379, 21.4454, 0.1909

# Square

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



44.4647, 21.4454, 68.8136



32.9384, 21.4454, 0.2281



7.0840, 21.4454, 4.2405



11.5088, 21.4454, 123.5006



# Rectangle

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



44.4647, 21.4454, 68.8136



47.2818, 21.4454, 8.3623



7.0840, 21.4454, 4.2405



6.3036, 21.4454, 50.1098

# Sweetspot

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



44.4656, 21.4464, 68.8140



74.8789, 60.3476, 100.0493



13.9609, 5.5960, 73.0182



15.5726, 12.0283, 21.1997



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.



44.4656, 21.4464, 68.8140



57.8762, 27.9145, 89.5351



34.2785, 17.3716, 15.1698



14.9720, 14.6060, 18.0530



25.9414, 12.5108, 40.1819



1.9239, 0.9273, 3.0057



# Inverse Universe

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



44.4656, 21.4464, 68.8140



57.8762, 27.9145, 89.5351



30.9263, 56.3216, 27.3579



14.9720, 14.6060, 18.0530



25.9414, 12.5108, 40.1819



1.9239, 0.9273, 3.0057



# Previews

## White Background



This preview shows how the XYZ color 44.4647, 21.4454, 68.8136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

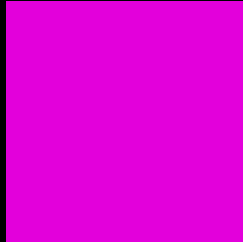
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4647, 21.4454, 68.8136 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 44.4647, 21.4454, 68.8136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4647, 21.4454, 68.8136.



This preview shows how white text looks on a background with the XYZ color 44.4647, 21.4454,



# 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

44.4647, 21.4454, 68.8136

### Protanopia

26.3799, 22.4008, 97.5412

### Deuteranopia

22.7371, 22.0880, 61.4576



## Tritanopia

32.9911, 21.7244, 12.5796

# Trichromacy



## Original Color

44.4647, 21.4454, 68.8136



## Protanomaly

25.3261, 15.4631, 85.6543



## Deuteranomaly

25.0917, 16.0561, 63.4047



## Tritanomaly

35.1671, 19.6274, 25.9797

# Monochromacy



## Original Color

44.4647, 21.4454, 68.8136



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.3795, 10.7428, 25.5837

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4647, 21.4454, 68.8136 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, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 219)  
}
```

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, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4647, 21.4454, 68.8136 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, 0, 219) }
```



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

```
.border{ border-color:rgb(227, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4647, 21.4454, 68.8136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 219) }
```

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

```
.background{ background-color: rgb(227, 0,  
219) }
```

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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