

Converting Colors

XYZ(45.0314, 21.7638, 67.6520)

Have a look what the booklet for
XYZ(45.0314, 21.7638, 67.6520)
contains.

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Color

**XYZ(45.1575, 21.8327,
67.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	E600D9
RGB	230, 0, 217
RGB Percent	90%, 0%, 85%
CMY	0.0980, 0.9999, 0.1490
CMYK	0.00, 1.00, 0.06, 0.10
HSL	303°, 100%, 45%
HSV	303°, 100%, 90%
XYZ	45.1575, 21.8327, 67.4797
YIQ	93.5080, 67.4230, 116.2470

Conversions

Conversions Part 2

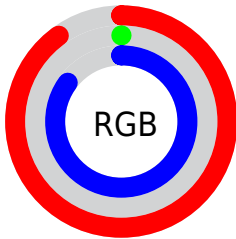
Format	Color
RYB	230, 0, 217
Decimal	15073497
CIELab	53.85, 89.08, -50.09
CIElCh	54, 102.195, 330.652
Yxy	21.8327, 0.3358, 0.1624
Android (android.graphics.Color)	4293263577 (0xFFE600D9)
YUV	93.5080, 60.8816, 119.7035
Hunter-Lab	46.7255, 90.7405, -52.9172

Details

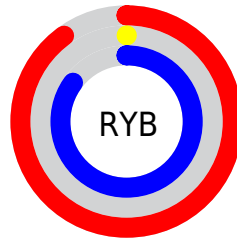
The XYZ color **45.1575, 21.8327, 67.4797** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **28.3705, 56.6237, 9.8162**, and the grayscale version is **10.3790, 10.9196, 11.8914**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **22.7952, 11.0082, 34.6416** is the 20% darker color. If you saturate the color by 10%, you get **45.1577, 21.8329, 67.4786**, and if you desaturate by 10%, it is **45.6349, 22.5151, 68.4768**.

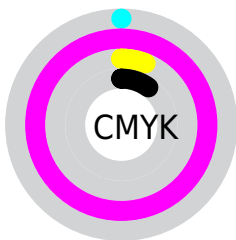
Distribution



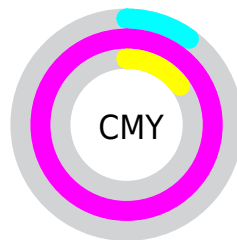
- Red (90%)
- Green (0%)
- Blue (85%)



- Red (90%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1575, 21.8327, 67.4797 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 45.1575, 21.8327, 67.4797 by changing the saturation by 10% instead.

 45.1575, 21.8327,
67.4797

 45.1575, 21.8327,
67.4797


358.1840,
261.6713, 470.1983


 31.7833, 13.7340,
49.0105


 82.1923, 46.4693,
117.2547


 21.3508, 7.9359,
34.2622


 106.5837, 63.7761,
149.3975


 13.4946, 4.0540,
22.8161


 135.3781, 84.9210,
186.9354

 7.8493, 1.7038,
14.2537

 168.9410,
110.2884, 230.2868

 4.0497, 0.4261,
8.1566

 207.6376,
140.2627, 279.8702

 1.7303, 0.0000,
4.1061

251.8335,

 0.4751, 0.0000,

175.2284, 336.1042

1.6837

301.8938,
215.5698, 399.4074

■ 0.0000, 0.0000,
0.3495

■ 0.0000, 0.0000,
0.0000

■ 45.1575, 21.8327,
67.4797

■ 45.1575, 21.8327,
67.4797

■ 45.1577, 21.8329,
67.4786

■ 45.6349, 22.5151,
68.4768

■ 46.4774, 23.9262,
69.6020

■ 47.8019, 26.2991,
70.8944

■ 49.6757, 29.7685,
72.3767

■ 52.1555, 34.4478,
74.0675

■ 55.2909, 40.4361,
75.9835

■ 59.1263, 47.8224,
78.1396

■ 63.7025, 56.6878,
80.5492

■ 69.0567, 67.1073,
83.2248

Harmonies

Analogous

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



33.4961, 21.8327, 123.0904



45.1575, 21.8327, 67.4797



49.8642, 21.8327, 23.0905

Triad

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



45.1575, 21.8327, 67.4797



20.5120, 21.8327, 0.0000



7.3642, 21.8327, 69.8977

Complementary

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



45.1575, 21.8327, 67.4797



28.3705, 56.6237, 9.8162

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.



5.9819, 21.8327, 24.4669



45.1575, 21.8327, 67.4797



11.7351, 21.8327, 0.3444

Square

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



45.1575, 21.8327, 67.4797



32.9266, 21.8327, 0.2632



7.2444, 21.8327, 4.7371



12.0220, 21.8327, 125.1617

Rectangle

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



45.1575, 21.8327, 67.4797



47.4700, 21.8327, 8.1789



7.2444, 21.8327, 4.7371



6.5935, 21.8327, 52.1409

Sweetspot

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



45.1584, 21.8338, 67.4801



74.6215, 60.2447, 98.6939



14.4287, 5.7889, 75.2207



15.5099, 12.0032, 20.8696



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.



45.1584, 21.8338, 67.4801



57.0551, 27.5860, 85.2110



35.1083, 17.8137, 14.5573



14.9581, 14.6004, 17.9796



25.5811, 12.3666, 38.2844



1.9012, 0.9182, 2.8860

Inverse Universe

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



45.1584, 21.8338, 67.4801



57.0551, 27.5860, 85.2110



32.0970, 58.1143, 29.4395



14.9581, 14.6004, 17.9796



25.5811, 12.3666, 38.2844



1.9012, 0.9182, 2.8860

Previews

White Background



This preview shows how the XYZ color 45.1575, 21.8327, 67.4797 looks on a white background.

Color Contrast Check

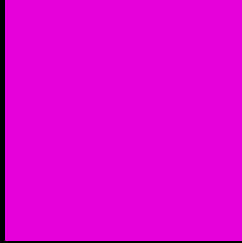
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1575, 21.8327, 67.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

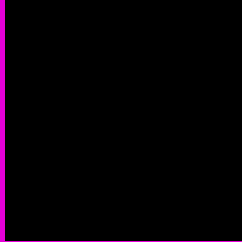
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.1575, 21.8327, 67.4797

Background



This preview shows how black text looks on a background with the XYZ color 45.1575, 21.8327, 67.4797.



This preview shows how white text looks on a background with the XYZ color 45.1575, 21.8327,

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

45.1575, 21.8327, 67.4797

Protanopia

26.7298, 22.7701, 97.5940

Deuteranopia

23.0982, 22.4986, 60.2520



Tritanopia

33.7521, 22.0040, 12.3658

Trichromacy



Original Color

45.1575, 21.8327, 67.4797



Protanomaly

25.6853, 15.6656, 84.8891



Deuteranomaly

25.5864, 16.4527, 62.1487



Tritanomaly

35.9587, 19.9741, 25.6271

Monochromacy



Original Color

45.1575, 21.8327, 67.4797



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.6038, 10.9354, 25.6090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1575, 21.8327, 67.4797 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(230, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 217)  
}
```

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(230, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 45.1575, 21.8327, 67.4797 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(230, 0, 217) }
```


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

```
.border{ border-color:rgb(230, 0, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1575, 21.8327, 67.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 217) }
```

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

```
.background{ background-color: rgb(230, 0,  
217) }
```

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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