

Converting Colors

XYZ(45.2684, 21.9535, 64.6108)

Have a look what the booklet for
XYZ(45.2684, 21.9535, 64.6108)
contains.

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Color

**XYZ(45.2890, 21.9599,
64.8025)**

Conversions

Conversions Part 1

Format	Color
Hex	E800D5
RGB	232, 0, 213
RGB Percent	91%, 0%, 84%
CMY	0.0902, 0.9998, 0.1647
CMYK	0.00, 1.00, 0.08, 0.09
HSL	305°, 100%, 45%
HSV	305°, 100%, 91%
XYZ	45.2890, 21.9599, 64.8025
YIQ	93.6500, 69.8990, 115.4270

Conversions

Conversions Part 2

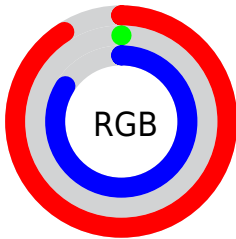
Format	Color
R _Y B	232, 0, 213
Decimal	15204565
CIE Lab	53.98, 88.87, -47.57
CIE LCh	54, 100.803, 331.842
Yxy	21.9599, 0.3430, 0.1663
Android (android.graphics.Color)	4293394645 (0xFFE800D5)
YUV	93.6500, 58.8396, 121.3330
Hunter-Lab	46.8614, 90.5032, -49.1865

Details

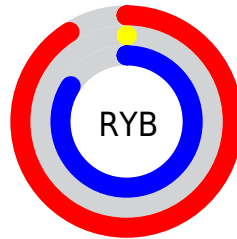
The XYZ color **45.2890, 21.9599, 64.8025** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **28.9753, 57.7614, 10.2398**, and the grayscale version is **10.4168, 10.9592, 11.9346**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **22.9661, 11.1265, 33.2849** is the 20% darker color. If you saturate the color by 10%, you get **45.2890, 21.9600, 64.8007**, and if you desaturate by 10%, it is **45.8433, 22.6795, 66.1846**.

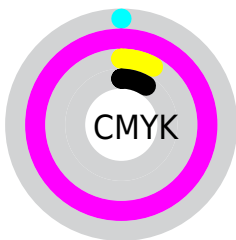
Distribution



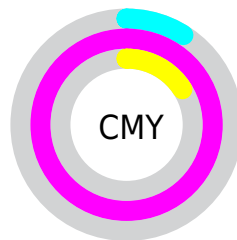
- Red (91%)
- Green (0%)
- Blue (84%)



- Red (91%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2890, 21.9599, 64.8025 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 45.2890, 21.9599, 64.8025 by changing the saturation by 10% instead.

 45.2890, 21.9599,
64.8025


 45.2890, 21.9599,
64.8025

358.7068,
262.3368, 460.3687


 31.8874, 13.8274,
46.8506


 82.3883, 46.6797,
113.3764


 21.4306, 8.0007,
32.5641


 106.8167, 64.0359,
144.8355


 13.5534, 4.0954,
21.5243


 135.6514, 85.2353,
181.6342

 7.8903, 1.7271,
13.3128

 169.2577,
110.6626, 224.1908

 4.0761, 0.4411,
7.5111

 208.0011,
140.7019, 272.9241

 1.7453, 0.0000,
3.7005

252.2468,

 0.4843, 0.0000,

175.7378, 328.2524

1.4625

302.3603,
216.1546, 390.5945

■ 0.0000, 0.0000,
0.1898

■ 0.0000, 0.0000,
0.0000

■ 45.2890, 21.9599,
64.8025

■ 45.2890, 21.9599,
64.8025

■ 45.2890, 21.9600,
64.8007

■ 45.8433, 22.6795,
66.1846

■ 46.7719, 24.1439,
67.7052

■ 48.1937, 26.5901,
69.4044

■ 50.1775, 30.1558,
71.3049

■ 52.7813, 34.9568,
73.4263

■ 56.0557, 41.0944,
75.7853

■ 60.0462, 48.6595,
78.3973

■ 64.7941, 57.7349,
81.2760

■ 70.3379, 68.3974,
84.4344

Harmonies

Analogous

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



33.9722, 21.9599, 119.4915



45.2890, 21.9599, 64.8025



49.5482, 21.9599, 22.0352

Triad

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



45.2890, 21.9599, 64.8025



20.2067, 21.9599, 0.0000



7.6655, 21.9599, 71.5084

Complementary

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



45.2890, 21.9599, 64.8025



28.9753, 57.7614, 10.2398

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.



6.1661, 21.9599, 25.8895



45.2890, 21.9599, 64.8025



11.6648, 21.9599, 0.5205

Square

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



45.2890, 21.9599, 64.8025



32.3852, 21.9599, 0.2939



7.3256, 21.9599, 5.3152



12.4733, 21.9599, 125.2122

Rectangle

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



45.2890, 21.9599, 64.8025



46.9414, 21.9599, 7.8269



7.3256, 21.9599, 5.3152



6.8515, 21.9599, 53.8541

Sweetspot

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



45.2898, 21.9610, 64.8029



74.3174, 60.1231, 97.0928



14.7714, 5.9329, 76.7115



15.4359, 11.9736, 20.4803



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.



45.2898, 21.9610, 64.8029



56.1074, 27.2070, 80.2206



35.6068, 18.0878, 13.8127



14.9415, 14.5938, 17.8923



25.1649, 12.2002, 36.0930



1.8748, 0.9076, 2.7470

Inverse Universe

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



45.2898, 21.9610, 64.8029



56.1074, 27.2070, 80.2206



32.9871, 59.3661, 31.3654



14.9415, 14.5938, 17.8923



25.1649, 12.2002, 36.0930



1.8748, 0.9076, 2.7470

Previews

White Background



This preview shows how the XYZ color 45.2890, 21.9599, 64.8025 looks on a white background.

Color Contrast Check

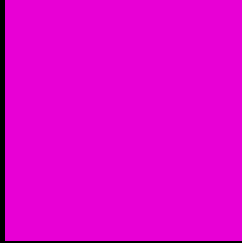
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2890, 21.9599, 64.8025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

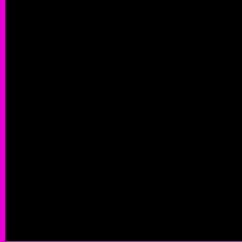
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2890, 21.9599, 64.8025

Background



This preview shows how black text looks on a background with the XYZ color 45.2890, 21.9599, 64.8025.



This preview shows how white text looks on a background with the XYZ color 45.2890, 21.9599,

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

45.2890, 21.9599, 64.8025

Protanopia

26.8262, 22.8198, 97.5985

Deuteranopia

23.2318, 22.6222, 57.7857



Tritanopia

34.4887, 22.2776, 11.9334

Trichromacy



Original Color

45.2890, 21.9599, 64.8025



Protanomaly

25.7993, 15.7416, 84.1167



Deuteranomaly

25.7898, 16.6140, 59.6052



Tritanomaly

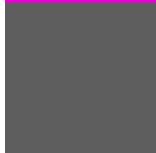
36.3166, 20.1147, 24.5227

Monochromacy



Original Color

45.2890, 21.9599, 64.8025



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.6328, 10.9672, 24.8544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2890, 21.9599, 64.8025 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(232, 0, 213)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 213)  
}
```

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(232, 0, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 213) }
```

Border

The CSS property to change the border of an element to XYZ 45.2890, 21.9599, 64.8025 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(232, 0, 213) }
```


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

```
.border{ border-color:rgb(232, 0, 213) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 213);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2890, 21.9599, 64.8025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 213) }
```

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

```
.background{ background-color: rgb(232, 0,  
213) }
```

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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