

Converting Colors

XYZ(47.0419, 22.8570, 65.1793)

Have a look what the booklet for
XYZ(47.0419, 22.8570, 65.1793)
contains.

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Color

**XYZ(46.9353, 22.8086,
64.8795)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00D5
RGB	237, 0, 213
RGB Percent	93%, 0%, 84%
CMY	0.0706, 0.9998, 0.1647
CMYK	0.00, 1.00, 0.10, 0.07
HSL	306°, 100%, 46%
HSV	306°, 100%, 93%
XYZ	46.9353, 22.8086, 64.8795
YIQ	95.1450, 72.8790, 116.4870

Conversions

Conversions Part 2

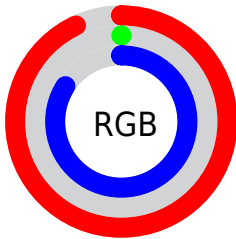
Format	Color
RYB	237, 0, 213
Decimal	15532245
CIELab	54.87, 89.71, -46.10
CIELCh	55, 100.864, 332.803
Yxy	22.8086, 0.3486, 0.1694
Android (android.graphics.Color)	4293722325 (0xFFED00D5)
YUV	95.1450, 58.1025, 124.4068
Hunter-Lab	47.7584, 91.8467, -47.1143

Details

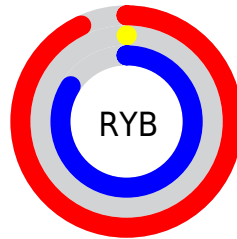
The XYZ color **46.9353, 22.8086, 64.8795** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **30.4503, 60.6354, 10.9654**, and the grayscale version is **10.7708, 11.3317, 12.3402**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.0761, 11.6987, 33.3369** is the 20% darker color. If you saturate the color by 10%, you get **46.9352, 22.8086, 64.8770**, and if you desaturate by 10%, it is **47.5641, 23.5743, 66.6038**.

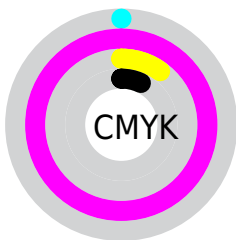
Distribution



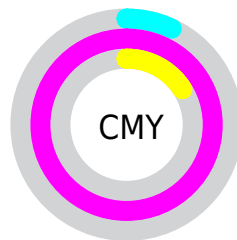
- Red (93%)
- Green (0%)
- Blue (84%)



- Red (93%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9353, 22.8086, 64.8795 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 46.9353, 22.8086, 64.8795 by changing the saturation by 10% instead.


 46.9353, 22.8086,
64.8795


 46.9353, 22.8086,
64.8795

365.2094,
266.7404, 460.6532

 33.1922, 14.4522,
46.9127


 84.8364, 48.0789,
113.4882


 22.4337, 8.4359,
32.6128


 109.7251, 65.7615,
144.9672


 14.2943, 4.3751,
21.5613


 139.0597, 87.3218,
181.7872

 8.4087, 1.8855,
13.3397

 173.2057,
113.1440, 224.3669

 4.4116, 0.5397,
7.5294

 212.5283,
143.6126, 273.1249

 1.9375, 0.0000,
3.7119

257.3929,

 0.5985, 0.0000,

179.1119, 328.4795

1.4687

308.1648,
220.0264, 390.8494

■ 0.0000, 0.0000,
0.1944

■ 0.0000, 0.0000,
0.0000

■ 46.9353, 22.8086,
64.8795

■ 46.9353, 22.8086,
64.8795

■ 46.9352, 22.8086,
64.8770

■ 47.5641, 23.5743,
66.6038

■ 48.5886, 25.1248,
68.4821

■ 50.1327, 27.7073,
70.5561

■ 52.2691, 31.4670,
72.8501

■ 55.0589, 36.5260,
75.3845

■ 58.5554, 42.9912,
78.1772

■ 62.8065, 50.9583,
81.2442

■ 67.8561, 60.5147,
84.6003

■ 73.7443, 71.7410,
88.2589

Harmonies

Analogous

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



35.5166, 22.8086, 120.6817



46.9353, 22.8086, 64.8795



50.9762, 22.8086, 21.9474

Triad

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



46.9353, 22.8086, 64.8795



20.6458, 22.8086, 0.0000



8.1756, 22.8086, 75.2687

Complementary

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



46.9353, 22.8086, 64.8795



30.4503, 60.6354, 10.9654

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.



6.5269, 22.8086, 27.9647



46.9353, 22.8086, 64.8795



12.0027, 22.8086, 0.6873

Square

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



46.9353, 22.8086, 64.8795



33.0487, 22.8086, 0.3425



7.6397, 22.8086, 5.9976



13.2711, 22.8086, 129.5158

Rectangle

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



46.9353, 22.8086, 64.8795



48.1096, 22.8086, 7.8124



7.6397, 22.8086, 5.9976



7.2977, 22.8086, 57.1056

Sweetspot

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



46.9362, 22.8097, 64.8799



74.0874, 60.0311, 95.8817



15.6572, 6.3064, 80.5137



15.3801, 11.9513, 20.1862



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.



46.9362, 22.8097, 64.8799



55.4069, 26.9268, 76.5318



36.9835, 18.8287, 12.4699



15.6452, 15.2859, 18.6830



25.6529, 12.4638, 35.5689



2.0334, 0.9863, 2.8932

Inverse Universe

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



46.9362, 22.8097, 64.8799



55.4069, 26.9268, 76.5318



35.1839, 62.5288, 35.8917



15.6452, 15.2859, 18.6830



25.6529, 12.4638, 35.5689



2.0334, 0.9863, 2.8932

Previews

White Background



This preview shows how the XYZ color 46.9353, 22.8086, 64.8795 looks on a white background.

Color Contrast Check

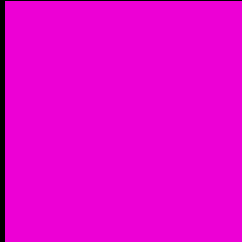
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9353, 22.8086, 64.8795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

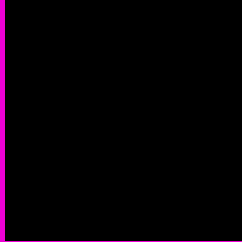
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.9353, 22.8086, 64.8795

Background



This preview shows how black text looks on a background with the XYZ color 46.9353, 22.8086, 64.8795.



This preview shows how white text looks on a background with the XYZ color 46.9353, 22.8086,

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

46.9353, 22.8086, 64.8795

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.0434, 23.4394, 57.9006



Tritanopia

36.0248, 23.0695, 12.0053

Trichromacy



Original Color

46.9353, 22.8086, 64.8795



Protanomaly

26.9138, 16.5368, 84.2115



Deuteranomaly

26.7674, 17.2325, 59.6730



Tritanomaly

37.8893, 20.9254, 24.5963

Monochromacy



Original Color

46.9353, 22.8086, 64.8795



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.2359, 11.2697, 25.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9353, 22.8086, 64.8795 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(237, 0, 213)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 0, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.9353, 22.8086, 64.8795 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(237, 0, 213) }
```


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

```
.border{ border-color:rgb(237, 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(237, 0, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 213);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9353, 22.8086, 64.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 213) }
```

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

```
.background{ background-color: rgb(237, 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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