

Converting Colors

XYZ(46.8377, 22.8745, 59.6246)

Have a look what the booklet for
XYZ(46.8377, 22.8745, 59.6246)
contains.

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Color

**XYZ(46.9546, 22.9330,
59.7093)**

Conversions

Conversions Part 1

Format	Color
Hex	F000CD
RGB	240, 0, 205
RGB Percent	94%, 0%, 80%
CMY	0.0588, 0.9998, 0.1961
CMYK	0.00, 1.00, 0.15, 0.06
HSL	309°, 100%, 47%
HSV	309°, 100%, 94%
XYZ	46.9546, 22.9330, 59.7093
YIQ	95.1300, 77.2350, 114.6350

Conversions

Conversions Part 2

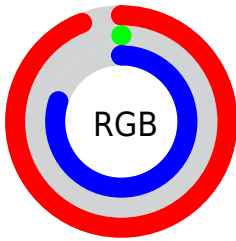
Format	Color
R _Y B	240, 0, 205
Decimal	15728845
CIE Lab	55.00, 89.21, -41.28
CIE LCh	55, 98.301, 335.167
Yxy	22.9330, 0.3623, 0.1770
Android (android.graphics.Color)	4293918925 (0xFFFF00CD)
YUV	95.1300, 54.1659, 127.0510
Hunter-Lab	47.8884, 91.2146, -40.4034

Details

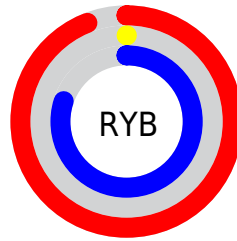
The XYZ color **46.9546, 22.9330, 59.7093** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **31.4649, 62.4426, 11.9879**, and the grayscale version is **10.7759, 11.3371, 12.3461**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.0954, 11.7857, 29.8591** is the 20% darker color. If you saturate the color by 10%, you get **46.9542, 22.9329, 59.7054**, and if you desaturate by 10%, it is **47.7099, 23.7593, 62.0696**.

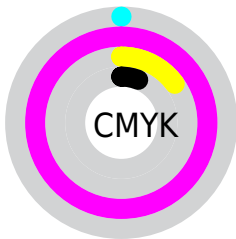
Distribution



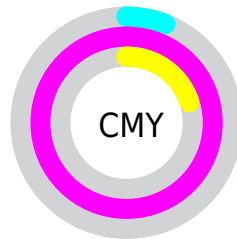
- Red (94%)
- Green (0%)
- Blue (80%)



- Red (94%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9546, 22.9330, 59.7093 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 46.9546, 22.9330, 59.7093 by changing the saturation by 10% instead.


 46.9546, 22.9330,
59.7093


 46.9546, 22.9330,
59.7093


365.2852,
267.3807, 441.3003


 33.2076, 14.5440,
42.7606

 84.8650, 48.2833,
105.9471


 22.4455, 8.5000,
29.3673

 109.7591, 66.0134,
136.0733


 14.3030, 4.4165,
19.1109


 139.0996, 87.6260,
171.4290

 8.4148, 1.9092,
11.5728

 173.2518,
113.5056, 212.4329

 4.4156, 0.5539,
6.3345

 212.5811,
144.0364, 259.5034

 1.9398, 0.0000,
2.9775

257.4529,

 0.5998, 0.0000,

179.6030, 313.0591

1.0831

308.2325,
220.5896, 373.5186

■ 0.0000, 0.0000,
0.0000

■ 46.9546, 22.9330,
59.7093

■ 46.9546, 22.9330,
59.7093

■ 46.9542, 22.9329,
59.7054

■ 47.7099, 23.7593,
62.0696

■ 48.8781, 25.3965,
64.6143

■ 50.5861, 28.0981,
67.3863

■ 52.9090, 32.0139,
70.4107

■ 55.9098, 37.2701,
73.7089

■ 59.6436, 43.9768,
77.2996

■ 64.1599, 52.2327,
81.1994

■ 69.5038, 62.1280,
85.4239

■ 75.7169, 73.7459,
89.9870

Harmonies

Analogous

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



36.2702, 22.9330, 113.4838



46.9546, 22.9330, 59.7093



50.1201, 22.9330, 19.9351

Triad

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



46.9546, 22.9330, 59.7093



19.9597, 22.9330, 0.0000



8.7411, 22.9330, 78.1088

Complementary

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



46.9546, 22.9330, 59.7093



31.4649, 62.4426, 11.9879

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.



6.8571, 22.9330, 30.7887



46.9546, 22.9330, 59.7093



11.7999, 22.9330, 1.0127

Square

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



46.9546, 22.9330, 59.7093



31.8613, 22.9330, 0.3930



7.7522, 22.9330, 7.2695



14.1127, 22.9330, 129.0058

Rectangle

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



46.9546, 22.9330, 59.7093



46.8683, 22.9330, 7.1307



7.7522, 22.9330, 7.2695



7.7783, 22.9330, 60.2797

Sweetspot

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



46.9554, 22.9342, 59.7097



73.5651, 59.8222, 93.1314



16.3256, 6.6000, 82.8522



15.2535, 11.9006, 19.5196



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.



46.9554, 22.9342, 59.7097



53.8694, 26.3118, 68.4355



37.6986, 19.2314, 10.9638



16.3493, 15.9895, 19.3959



25.7419, 12.5692, 32.8870



2.1683, 1.0564, 2.8770

Inverse Universe

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



46.9554, 22.9342, 59.7097



53.8694, 26.3118, 68.4355



36.8298, 64.5885, 40.2387



16.3493, 15.9895, 19.3959



25.7419, 12.5692, 32.8870



2.1683, 1.0564, 2.8770

Previews

White Background



This preview shows how the XYZ color 46.9546, 22.9330, 59.7093 looks on a white background.

Color Contrast Check

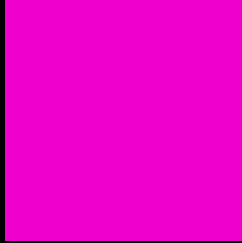
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9546, 22.9330, 59.7093 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 46.9546, 22.9330, 59.7093

Background



This preview shows how black text looks on a background with the XYZ color 46.9546, 22.9330, 59.7093.



This preview shows how white text looks on a background with the XYZ color 46.9546, 22.9330,

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

46.9546, 22.9330, 59.7093

Protanopia

27.7637, 23.8812, 97.7540

Deuteranopia

24.0724, 23.5595, 53.1479



Tritanopia

36.8952, 23.1987, 11.1275

Trichromacy



Original Color

46.9546, 22.9330, 59.7093



Protanomaly

26.7608, 16.5090, 81.8969



Deuteranomaly

27.1530, 17.5400, 54.7778



Tritanomaly

38.7947, 21.3646, 22.8479

Monochromacy



Original Color

46.9546, 22.9330, 59.7093



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.2018, 11.2769, 24.1390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9546, 22.9330, 59.7093 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(240, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 205)  
}
```

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(240, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 46.9546, 22.9330, 59.7093 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(240, 0, 205) }
```


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

```
.border{ border-color:rgb(240, 0, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9546, 22.9330, 59.7093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 205) }
```

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

```
.background{ background-color: rgb(240, 0,  
205) }
```

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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