

Converting Colors

XYZ(46.6948, 22.8174, 58.8722)

Have a look what the booklet for
XYZ(46.6948, 22.8174, 58.8722)
contains.

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Color

**XYZ(46.8343, 22.8849,
59.0755)**

Conversions

Conversions Part 1

Format	Color
Hex	F000CC
RGB	240, 0, 204
RGB Percent	94%, 0%, 80%
CMY	0.0588, 0.9998, 0.2000
CMYK	0.00, 1.00, 0.15, 0.06
HSL	309°, 100%, 47%
HSV	309°, 100%, 94%
XYZ	46.8343, 22.8849, 59.0755
YIQ	95.0160, 77.5560, 114.3240

Conversions

Conversions Part 2

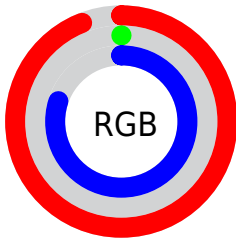
Format	Color
R_{YB}	240, 0, 204
Decimal	15728844
CIE _{Lab}	54.95, 89.09, -40.79
CIE _{LCh}	55, 97.981, 335.400
Yxy	22.8849, 0.3636, 0.1777
Android (android.graphics.Color)	4293918924 (0xFFFF00CC)
YUV	95.0160, 53.7291, 127.1510
Hunter-Lab	47.8382, 91.0375, -39.7307

Details

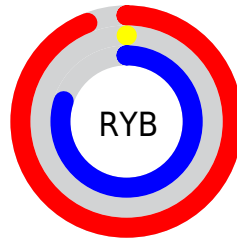
The XYZ color **46.8343, 22.8849, 59.0755** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **31.4801, 62.4487, 12.0674**, and the grayscale version is **10.7499, 11.3097, 12.3163**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.0152, 11.7536, 29.4367** is the 20% darker color. If you saturate the color by 10%, you get **46.8338, 22.8848, 59.0715**, and if you desaturate by 10%, it is **47.5992, 23.7150, 61.4862**.

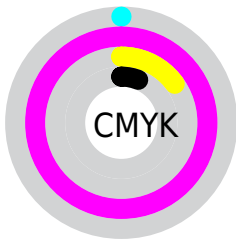
Distribution



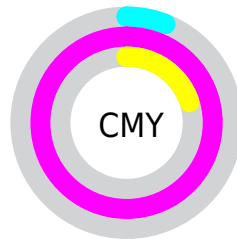
- Red (94%)
- Green (0%)
- Blue (80%)



- 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 46.8343, 22.8849, 59.0755 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 46.8343, 22.8849, 59.0755 by changing the saturation by 10% instead.

 46.8343, 22.8849,
59.0755

 46.8343, 22.8849,
59.0755


364.8127,
267.1333, 438.8913

 33.1121, 14.5085,
42.2535


 84.6865, 48.2043,
105.0176


 22.3720, 8.4752,
28.9728


 109.5471, 65.9161,
134.9747


 14.2486, 4.4005,
18.8148


 138.8513, 87.5085,
170.1474

 8.3766, 1.9000,
11.3611

 172.9644,
113.3658, 210.9540

 4.3907, 0.5484,
6.1930

 212.2518,
143.8726, 257.8132

 1.9255, 0.0000,
2.8921

257.0787,

 0.5916, 0.0000,

179.4132, 311.1434

1.0398

307.8105,
220.3719, 371.3633

■ 0.0000, 0.0000,
0.0000

■ 46.8343, 22.8849,
59.0755

■ 46.8343, 22.8849,
59.0755

■ 46.8338, 22.8848,
59.0715

■ 47.5992, 23.7150,
61.4862

■ 48.7775, 25.3563,
64.0842

■ 50.4962, 28.0622,
66.9122

■ 52.8303, 31.9826,
69.9955

■ 55.8429, 37.2435,
73.3556

■ 59.5890, 43.9552,
77.0110

■ 64.1182, 52.2163,
80.9787

■ 69.4756, 62.1171,
85.2738

■ 75.7028, 73.7407,
89.9107

Harmonies

Analogous

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



36.2482, 22.8849, 112.5182



46.8343, 22.8849, 59.0755



49.9085, 22.8849, 19.6975

Triad

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



46.8343, 22.8849, 59.0755



19.8428, 22.8849, 0.0000



8.7733, 22.8849, 78.1808

Complementary

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



46.8343, 22.8849, 59.0755



31.4801, 62.4487, 12.0674

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.



6.8710, 22.8849, 30.9873



46.8343, 22.8849, 59.0755



11.7496, 22.8849, 1.0423

Square

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



46.8343, 22.8849, 59.0755



31.6664, 22.8849, 0.3957



7.7425, 22.8849, 7.3803



14.1577, 22.8849, 128.6233

Rectangle

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



46.8343, 22.8849, 59.0755



46.6290, 22.8849, 7.0489



7.7425, 22.8849, 7.3803



7.8046, 22.8849, 60.4320

Sweetspot

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



46.8351, 22.8861, 59.0759



73.5168, 59.8028, 92.8768



16.4577, 6.6681, 82.8585



15.2418, 11.8960, 19.4580



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.



46.8351, 22.8861, 59.0759



53.7309, 26.2563, 67.7060



37.5374, 19.1670, 10.1148



16.3464, 15.9883, 19.3802



25.6768, 12.5432, 32.5444



2.1635, 1.0544, 2.8517

Inverse Universe

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



46.8351, 22.8861, 59.0759



53.7309, 26.2563, 67.7060



37.1631, 64.7219, 41.9937



16.3464, 15.9883, 19.3802



25.6768, 12.5432, 32.5444



2.1635, 1.0544, 2.8517

Previews

White Background



This preview shows how the XYZ color 46.8343, 22.8849, 59.0755 looks on a white background.

Color Contrast Check

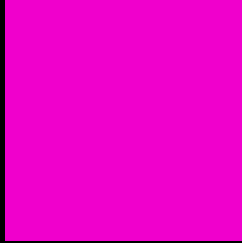
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8343, 22.8849, 59.0755 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 46.8343, 22.8849, 59.0755

Background



This preview shows how black text looks on a background with the XYZ color 46.8343, 22.8849, 59.0755.



This preview shows how white text looks on a background with the XYZ color 46.8343, 22.8849,

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

46.8343, 22.8849, 59.0755

Protanopia

27.7039, 23.8503, 97.7512

Deuteranopia

24.0856, 23.5791, 52.5720



Tritanopia

36.8215, 23.0512, 11.1030

Trichromacy



Original Color

46.8343, 22.8849, 59.0755



Protanomaly

26.6151, 16.4507, 81.1294



Deuteranomaly

27.0388, 17.4943, 54.1762



Tritanomaly

38.6844, 21.2498, 22.4848

Monochromacy



Original Color

46.8343, 22.8849, 59.0755



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 46.8343, 22.8849, 59.0755 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.8343, 22.8849, 59.0755 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, 204) }
```


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

```
.border{ border-color:rgb(240, 0, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8343, 22.8849, 59.0755 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, 204) }
```

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

```
.background{ background-color: rgb(240, 0,  
204) }
```

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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