

Converting Colors

XYZ(46.7305, 23.0278, 60.1248)

Have a look what the booklet for
XYZ(46.7305, 23.0278, 60.1248)
contains.

XYZ(46.8811, 23.0948, 60.3794)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.8811, 23.0948,
60.3794)**

Conversions

Conversions Part 1

Format	Color
Hex	EF0DCE
RGB	239, 13, 206
RGB Percent	94%, 5%, 81%
CMY	0.0627, 0.9489, 0.1922
CMYK	0.00, 0.95, 0.14, 0.06
HSL	309°, 90%, 49%
HSV	309°, 95%, 94%
XYZ	46.8811, 23.0948, 60.3794
YIQ	102.5760, 72.7430, 107.9350

Conversions

Conversions Part 2

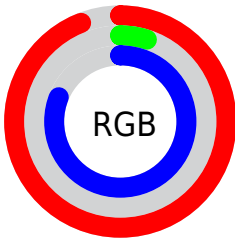
Format	Color
RYB	239, 13, 206
Decimal	15666638
CIELab	55.17, 88.29, -41.61
CIELCh	55, 97.600, 334.767
Yxy	23.0948, 0.3596, 0.1772
Android (android.graphics.Color)	4293856718 (0xFFEF0DCE)
YUV	102.5760, 50.9880, 119.6438
Hunter-Lab	48.0570, 90.0323, -40.8527

Details

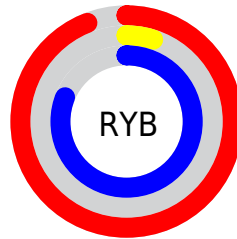
The XYZ color **46.8811, 23.0948, 60.3794** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **31.5272, 62.0169, 12.8977**, and the grayscale version is **12.6431, 13.3015, 14.4854**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **23.9460, 11.6993, 30.2743** is the 20% darker color. If you saturate the color by 10%, you get **46.5075, 22.7151, 59.1205**, and if you desaturate by 10%, it is **47.8261, 24.2980, 62.8100**.

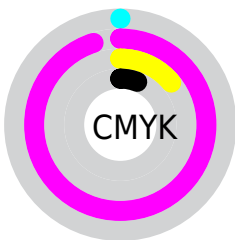
Distribution



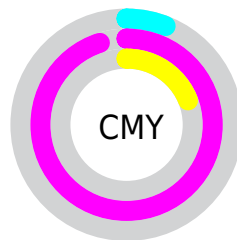
- Red (94%)
- Green (5%)
- Blue (81%)



- Red (94%)
- Yellow (5%)
- Blue (81%)



- Cyan (0%)
- Magenta (95%)
- Yellow (14%)
- Black (6%)





- Cyan (6%)
- Magenta (95%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8811, 23.0948, 60.3794 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 46.8811, 23.0948, 60.3794 by changing the saturation by 10% instead.

 46.8811, 23.0948,
60.3794


 46.8811, 23.0948,
60.3794


364.9966,
268.2115, 443.8382

 33.1492, 14.6635,
43.2972


 84.7559, 48.5489,
106.9286


 22.4006, 8.5836,
29.7853


 109.6296, 66.3406,
137.2327


 14.2698, 4.4706,
19.4250


 138.9479, 88.0212,
172.7812

 8.3915, 1.9401,
11.7978

 173.0762,
113.9750, 213.9926

 4.4004, 0.5723,
6.4853

 212.3799,
144.5866, 261.2854

 1.9310, 0.0000,
3.0688

257.2243,

 0.5948, 0.0000,

180.2403, 315.0783

1.1299

307.9747,
221.3205, 375.7897

■ 0.0000, 0.0000,
0.0000

■ 46.8811, 23.0948,
60.3794

■ 46.8811, 23.0948,
60.3794

■ 46.5075, 22.7151,
59.1205

■ 47.8261, 24.2980,
62.8100

■ 49.2649, 26.4744,
65.4519

■ 51.2807, 29.7892,
68.3331

■ 53.9404, 34.3767,
71.4764

■ 57.3019, 40.3523,
74.9012

61.4166, 47.8185,
78.6249

66.3307, 56.8683,
82.6633

72.0872, 67.5869,
87.0310

78.7255, 80.0534,
91.7413

Harmonies

Analogous

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



36.1971, 23.0948, 113.6596



46.8811, 23.0948, 60.3794



50.1495, 23.0948, 20.4820

Triad

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



46.8811, 23.0948, 60.3794



20.2553, 23.0948, 0.0000



8.8461, 23.0948, 77.2289

Complementary

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



46.8811, 23.0948, 60.3794



31.5272, 62.0169, 12.8977

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.



6.9921, 23.0948, 30.4699



46.8811, 23.0948, 60.3794



12.0400, 23.0948, 1.0471

Square

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



46.8811, 23.0948, 60.3794



32.1487, 23.0948, 0.4777



7.9297, 23.0948, 7.2599



14.1759, 23.0948, 127.8441

Rectangle

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



46.8811, 23.0948, 60.3794



47.0006, 23.0948, 7.4547



7.9297, 23.0948, 7.2599



7.8933, 23.0948, 59.5903

Sweetspot

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



46.8819, 23.0960, 60.3798



74.7137, 61.9415, 94.0624



16.7278, 7.0381, 82.1388



15.4706, 12.2991, 19.7021



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.



46.8819, 23.0960, 60.3798



53.8633, 26.3093, 68.4036



37.8476, 19.4823, 12.8059



16.3492, 15.9894, 19.3952



25.7390, 12.5680, 32.8720



2.1681, 1.0563, 2.8759

Inverse Universe

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



46.8819, 23.0960, 60.3798



53.8633, 26.3093, 68.4036



37.0466, 64.2247, 41.9624



16.3492, 15.9894, 19.3952



25.7390, 12.5680, 32.8720



2.1681, 1.0563, 2.8759

Previews

White Background



This preview shows how the XYZ color 46.8811, 23.0948, 60.3794 looks on a white background.

Color Contrast Check

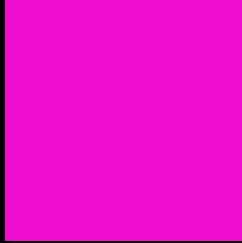
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8811, 23.0948, 60.3794 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 46.8811, 23.0948, 60.3794

Background



This preview shows how black text looks on a background with the XYZ color 46.8811, 23.0948, 60.3794.



This preview shows how white text looks on a background with the XYZ color 46.8811, 23.0948,

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

46.8811, 23.0948, 60.3794

Protanopia

27.7039, 23.8503, 97.7512

Deuteranopia

24.0612, 23.5409, 53.7278



Tritanopia

36.6919, 23.2005, 11.3484

Trichromacy



Original Color

46.8811, 23.0948, 60.3794



Protanomaly

27.0064, 17.2159, 82.0204



Deuteranomaly

27.4757, 18.2899, 55.5083



Tritanomaly

38.7711, 21.6938, 23.2629

Monochromacy



Original Color

46.8811, 23.0948, 60.3794



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

19.8727, 12.9492, 26.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8811, 23.0948, 60.3794 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(239, 13, 206)` looks like.

```
.text, #text, p{  
    color:rgb(239, 13, 206)  
}
```

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(239, 13, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 13, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.8811, 23.0948, 60.3794 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(239, 13, 206) }
```


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

```
.border{ border-color:rgb(239, 13, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 13, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 13, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 13, 206);  
box-shadow:4px 4px 4px 4px rgb(239, 13,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8811, 23.0948, 60.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 13, 206) }
```

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

```
.background{ background-color: rgb(239, 13,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor