

Converting Colors

XYZ(48.3758, 23.5804, 63.6298)

Have a look what the booklet for
XYZ(48.3758, 23.5804, 63.6298)
contains.

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Color

**XYZ(48.3758, 23.5804,
63.6298)**

Conversions

Conversions Part 1

Format	Color
Hex	F200D3
RGB	242, 0, 211
RGB Percent	95%, 0%, 83%
CMY	0.0510, 0.9998, 0.1725
CMYK	0.00, 1.00, 0.13, 0.05
HSL	308°, 100%, 47%
HSV	308°, 100%, 95%
XYZ	48.3758, 23.5804, 63.6298
YIQ	96.4120, 76.5010, 116.9250

Conversions

Conversions Part 2

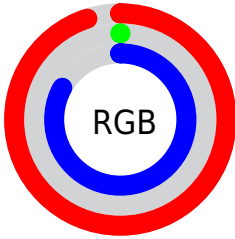
Format	Color
RYB	242, 0, 211
Decimal	15859923
CIELab	55.67, 90.31, -43.65
CIELCh	56, 100.303, 334.203
Yxy	23.5804, 0.3568, 0.1739
Android (android.graphics.Color)	4294050003 (0xFFFF200D3)
YUV	96.4120, 56.4919, 127.6807
Hunter-Lab	48.5597, 92.8448, -43.6985

Details

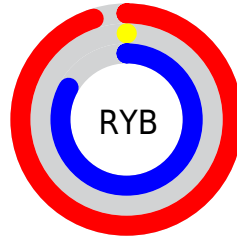
The XYZ color **48.3758, 23.5804, 63.6298** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.0009, 63.6042, 11.8899**, and the grayscale version is **11.0789, 11.6558, 12.6932**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.0568, 12.2241, 32.4913** is the 20% darker color. If you saturate the color by 10%, you get **48.3754, 23.5803, 63.6261**, and if you desaturate by 10%, it is **49.1005, 24.4011, 65.8080**.

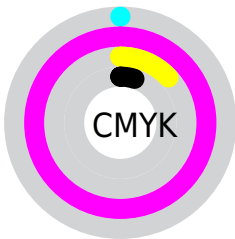
Distribution



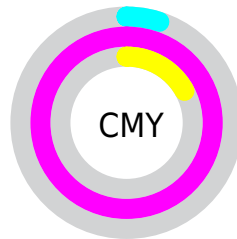
- Red (95%)
- Green (0%)
- Blue (83%)



- Red (95%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3758, 23.5804, 63.6298 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 48.3758, 23.5804, 63.6298 by changing the saturation by 10% instead.


 48.3758, 23.5804,
63.6298


 48.3758, 23.5804,
63.6298

370.8376,
270.6922, 456.0223


 34.3371, 15.0227,
45.9066


 86.9700, 49.3446,
111.6719

 23.3168, 8.8353,
31.8240


 112.2562, 67.3198,
142.8280


 14.9496, 4.6339,
20.9634


 142.0222, 89.2030,
179.2988

 8.8701, 2.0341,
12.9063

 176.6334,
115.3786, 221.5028

 4.7130, 0.6272,
7.2341

 216.4552,
146.2309, 269.8586

 2.1129, 0.0000,
3.5283

261.8530,

 0.6962, 0.0000,

182.1443, 324.7848

1.3703

313.1920,
223.5033, 386.6998

■ 0.0000, 0.0000,
0.1184

■ 0.0000, 0.0000,
0.0000

■ 48.3758, 23.5804,
63.6298

■ 48.3758, 23.5804,
63.6298

■ 48.3754, 23.5803,
63.6261

■ 49.1005, 24.4011,
65.8080

■ 50.2442, 26.0483,
68.1629

■ 51.9361, 28.7797,
70.7380

■ 54.2526, 32.7481,
73.5588

■ 57.2581, 38.0824,
76.6472

■ 61.0090, 44.8950,
80.0220

■ 65.5555, 53.2866,
83.7002

■ 70.9439, 63.3493,
87.6974

■ 77.2164, 75.1679,
92.0279

Harmonies

Analogous

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



37.0616, 23.5804, 119.8756



48.3758, 23.5804, 63.6298



51.9984, 23.5804, 21.3595

Triad

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



48.3758, 23.5804, 63.6298



20.8500, 23.5804, 0.0000



8.7709, 23.5804, 79.3015

Complementary

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



48.3758, 23.5804, 63.6298



32.0009, 63.6042, 11.8899

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.



6.9287, 23.5804, 30.5360



48.3758, 23.5804, 63.6298



12.2436, 23.5804, 0.9102

Square

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



48.3758, 23.5804, 63.6298



33.3193, 23.5804, 0.3962



7.9423, 23.5804, 6.9453



14.1907, 23.5804, 133.1389

Rectangle

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



48.3758, 23.5804, 63.6298



48.8057, 23.5804, 7.6255



7.9423, 23.5804, 6.9453



7.8145, 23.5804, 60.7870

Sweetspot

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



48.3767, 23.5816, 63.6302



73.7718, 59.9048, 94.2197



16.5141, 6.6627, 84.4207



15.3036, 11.9207, 19.7832



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.



48.3767, 23.5816, 63.6302



54.4688, 26.5515, 71.5920



38.5855, 19.6651, 12.0707



16.3620, 15.9945, 19.4625



26.0233, 12.6817, 34.3689



2.1890, 1.0646, 2.9861

Inverse Universe

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



48.3767, 23.5816, 63.6302



54.4688, 26.5515, 71.5920



37.1979, 65.6831, 39.2569



16.3620, 15.9945, 19.4625



26.0233, 12.6817, 34.3689



2.1890, 1.0646, 2.9861

Previews

White Background



This preview shows how the XYZ color 48.3758, 23.5804, 63.6298 looks on a white background.

Color Contrast Check

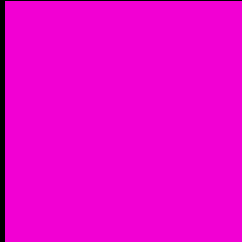
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3758, 23.5804, 63.6298 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 48.3758, 23.5804, 63.6298

Background



This preview shows how black text looks on a background with the XYZ color 48.3758, 23.5804, 63.6298.



This preview shows how white text looks on a background with the XYZ color 48.3758, 23.5804,

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

48.3758, 23.5804, 63.6298

Protanopia

28.3463, 24.5764, 97.8575

Deuteranopia

24.9025, 24.3156, 56.8070



Tritanopia

37.8097, 23.8800, 11.8490

Trichromacy



Original Color

48.3758, 23.5804, 63.6298



Protanomaly

27.7265, 17.0856, 83.4979



Deuteranomaly

27.9326, 17.9769, 58.4976



Tritanomaly

39.7677, 21.9018, 24.3218

Monochromacy



Original Color

48.3758, 23.5804, 63.6298



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.6506, 11.5620, 25.2935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3758, 23.5804, 63.6298 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(242, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 211)  
}
```

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(242, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.3758, 23.5804, 63.6298 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(242, 0, 211) }
```


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

```
.border{ border-color:rgb(242, 0, 211) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3758, 23.5804, 63.6298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 211) }
```

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

```
.background{ background-color: rgb(242, 0,  
211) }
```

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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