

Converting Colors

XYZ(48.5638, 23.8708, 54.8944)

Have a look what the booklet for
XYZ(48.5638, 23.8708, 54.8944)
contains.

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Color

**XYZ(48.4358, 23.8054,
54.8654)**

Conversions

Conversions Part 1

Format	Color
Hex	F700C5
RGB	247, 0, 197
RGB Percent	97%, 0%, 77%
CMY	0.0314, 0.9998, 0.2274
CMYK	0.00, 1.00, 0.20, 0.03
HSL	312°, 100%, 48%
HSV	312°, 100%, 97%
XYZ	48.4358, 23.8054, 54.8654
YIQ	96.3110, 83.9750, 113.6310

Conversions

Conversions Part 2

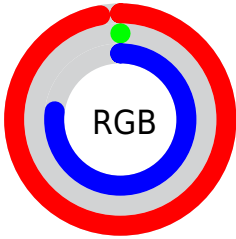
Format	Color
R_{YB}	247, 0, 197
Decimal	16187589
CIE _{Lab}	55.89, 89.49, -35.20
CIE _{LCh}	56, 96.166, 338.530
Yxy	23.8054, 0.3811, 0.1873
Android (android.graphics.Color)	4294377669 (0xFFFF700C5)
YUV	96.3110, 49.6397, 132.1543
Hunter-Lab	48.7908, 91.8175, -32.5183

Details

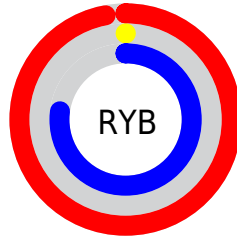
The XYZ color **48.4358, 23.8054, 54.8654** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **33.8385, 66.7529, 14.1249**, and the grayscale version is **11.0701, 11.6466, 12.6832**.

A 20% lighter version of the original color is **63.7831, 37.7231, 97.6855**, and **24.9655, 12.2975, 27.0444** is the 20% darker color. If you saturate the color by 10%, you get **48.4348, 23.8050, 54.8590**, and if you desaturate by 10%, it is **49.3612, 24.7234, 58.0485**.

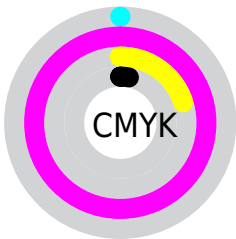
Distribution



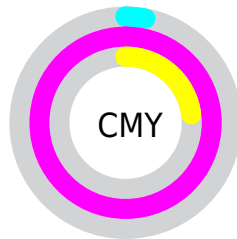
- Red (97%)
- Green (0%)
- Blue (77%)



- Red (97%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4358, 23.8054, 54.8654 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 48.4358, 23.8054, 54.8654 by changing the saturation by 10% instead.

 48.4358, 23.8054,
54.8654


 48.4358, 23.8054,
54.8654

371.0708,
271.8352, 422.6691


 34.3848, 15.1893,
38.8961

 87.0587, 49.7125,
98.8129


 23.3537, 8.9524,
26.3717


 112.3613, 67.7722,
127.6282


 14.9770, 4.7101,
16.8737


 142.1452, 89.7487,
161.5625

 8.8895, 2.0782,
9.9834

 176.7757,
116.0262, 201.0344

 4.7257, 0.6523,
5.2825

 216.6181,
146.9893, 246.4625

 2.1203, 0.0000,
2.3523

262.0379,

 0.7002, 0.0000,

183.0222, 298.2653

0.7603

313.4004,
224.5093, 356.8613

■ 0.0000, 0.0000,
0.0000

■ 48.4358, 23.8054,
54.8654

■ 48.4358, 23.8054,
54.8654

■ 48.4348, 23.8050,
54.8590

■ 49.3612, 24.7234,
58.0485

■ 50.7381, 26.5142,
61.4767

■ 52.7012, 29.4461,
65.1958

■ 55.3310, 33.6803,
69.2336

■ 58.6955, 39.3523,
73.6136

■ 62.8539, 46.5803,
78.3563

■ 67.8594, 55.4705,
83.4803

■ 73.7605, 66.1195,
89.0026

■ 80.6020, 78.6167,
94.9389

Harmonies

Analogous

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



38.4481, 23.8054, 107.5517



48.4358, 23.8054, 54.8654



50.5056, 23.8054, 17.9622

Triad

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



48.4358, 23.8054, 54.8654



19.6436, 23.8054, 0.0884



9.8243, 23.8054, 84.5869

Complementary

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



48.4358, 23.8054, 54.8654



33.8385, 66.7529, 14.1249

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.



7.5336, 23.8054, 35.9371



48.4358, 23.8054, 54.8654



11.8777, 23.8054, 1.5743

Square

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



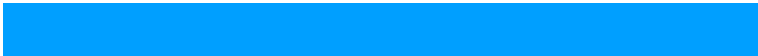
48.4358, 23.8054, 54.8654



31.2454, 23.8054, 0.4806



8.1395, 23.8054, 9.5155



15.7587, 23.8054, 132.3511

Rectangle

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



48.4358, 23.8054, 54.8654



46.6378, 23.8054, 6.4644



8.1395, 23.8054, 9.5155



8.7066, 23.8054, 66.7292

Sweetspot

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



48.4366, 23.8067, 54.8658



72.9156, 59.5624, 89.7112



18.0773, 7.3806, 88.4679



15.0966, 11.8379, 18.6932



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.



48.4366, 23.8067, 54.8658



52.0636, 25.5894, 58.9261



39.5992, 20.2717, 8.3287



17.0614, 16.7074, 20.0700



25.6679, 12.6106, 29.2893



2.2915, 1.1226, 2.7615

Inverse Universe

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



48.4366, 23.8067, 54.8658



52.0636, 25.5894, 58.9261



40.7963, 69.5361, 50.7644



17.0614, 16.7074, 20.0700



25.6679, 12.6106, 29.2893



2.2915, 1.1226, 2.7615

Previews

White Background



This preview shows how the XYZ color 48.4358, 23.8054, 54.8654 looks on a white background.

Color Contrast Check

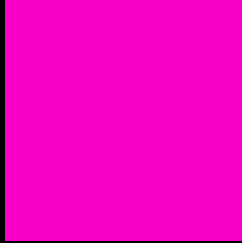
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.4358, 23.8054, 54.8654 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 48.4358, 23.8054, 54.8654

Background



This preview shows how black text looks on a background with the XYZ color 48.4358, 23.8054, 54.8654.



This preview shows how white text looks on a background with the XYZ color 48.4358, 23.8054,

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

48.4358, 23.8054, 54.8654

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

24.8902, 24.2709, 49.2718



Tritanopia

39.5073, 24.2351, 10.5782

Trichromacy



Original Color

48.4358, 23.8054, 54.8654



Protanomaly

27.4603, 17.0326, 79.6822



Deuteranomaly

28.1597, 18.2781, 50.1880



Tritanomaly

41.0543, 22.4372, 21.2358

Monochromacy



Original Color

48.4358, 23.8054, 54.8654



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.6649, 11.6103, 23.4476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4358, 23.8054, 54.8654 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(247, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 197)  
}
```

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(247, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 48.4358, 23.8054, 54.8654 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(247, 0, 197) }
```


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

```
.border{ border-color:rgb(247, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4358, 23.8054, 54.8654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 197) }
```

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

```
.background{ background-color: rgb(247, 0,  
197) }
```

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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