

Converting Colors

XYZ(47.3423, 22.1570, 50.3034)

Have a look what the booklet for
XYZ(47.3423, 22.1570, 50.3034)
contains.

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Color

**XYZ(48.0057, 23.6742,
50.7546)**

Conversions

Conversions Part 1

Format	Color
Hex	F800BE
RGB	248, 0, 190
RGB Percent	97%, 0%, 75%
CMY	0.0274, 0.9998, 0.2549
CMYK	0.00, 1.00, 0.23, 0.03
HSL	314°, 100%, 49%
HSV	314°, 100%, 97%
XYZ	48.0057, 23.6742, 50.7546
YIQ	95.8120, 86.8180, 111.6660

Conversions

Conversions Part 2

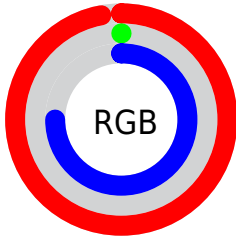
Format	Color
R_YB	248, 0, 190
Decimal	16253118
CIE _{Lab}	55.76, 88.88, -31.35
CIE _{LCh}	56, 94.244, 340.572
Yxy	23.6742, 0.3921, 0.1934
Android (android.graphics.Color)	4294443198 (0xFFFF800BE)
YUV	95.8120, 46.4347, 133.4689
Hunter-Lab	48.6561, 90.9655, -27.7878

Details

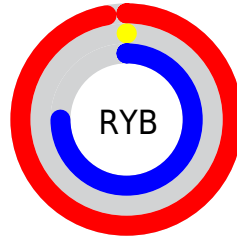
The XYZ color **48.0057, 23.6742, 50.7546** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **34.3334, 67.4415, 15.2183**, and the grayscale version is **10.9568, 11.5275, 12.5534**.

A 20% lighter version of the original color is **62.6822, 37.2828, 91.8883**, and **24.6936, 12.2167, 24.3491** is the 20% darker color. If you saturate the color by 10%, you get **48.0045, 23.6737, 50.7475**, and if you desaturate by 10%, it is **48.9974, 24.6221, 54.2764**.

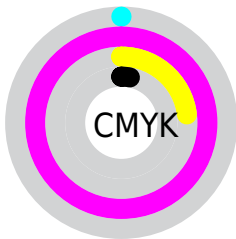
Distribution



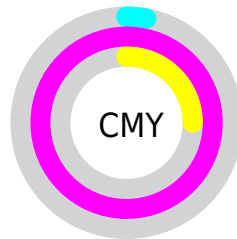
- Red (97%)
- Green (0%)
- Blue (75%)



- Red (97%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0057, 23.6742, 50.7546 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 48.0057, 23.6742, 50.7546 by changing the saturation by 10% instead.

 48.0057, 23.6742,
50.7546


 48.0057, 23.6742,
50.7546


369.3969,
271.1692, 406.4289

 34.0427, 15.0921,
35.6380


 86.4225, 49.4980,
92.6997


 23.0894, 8.8841,
23.8673


 111.6071, 67.5085,
120.3653


 14.7806, 4.6656,
15.0239

 141.2628, 89.4307,
153.0509

 8.7509, 2.0524,
8.6893

 175.7551,
115.6488, 191.1751

 4.6348, 0.6377,
4.4451

 215.4493,
146.5473, 235.1565

 2.0672, 0.0000,
1.8726

260.7107,

 0.6713, 0.0000,

182.5106, 285.4136

0.4752

311.9048,
223.9231, 342.3649

■ 0.0000, 0.0000,
0.0000

■ 48.0057, 23.6742,
50.7546

■ 48.0057, 23.6742,
50.7546

■ 48.0045, 23.6737,
50.7475

■ 48.9974, 24.6221,
54.2764

■ 50.4512, 26.4538,
58.0780

■ 52.5028, 29.4399,
62.2062

■ 55.2340, 33.7431,
66.6896

■ 58.7132, 39.5005,
71.5524

■ 63.0005, 46.8314,
76.8159

■ 68.1498, 55.8430,
82.4993

■ 74.2099, 66.6331,
88.6203

■ 81.2264, 79.2919,
95.1952

Harmonies

Analogous

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



38.7051, 23.6742, 101.4034



48.0057, 23.6742, 50.7546



49.3810, 23.6742, 16.4102

Triad

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



48.0057, 23.6742, 50.7546



18.9352, 23.6742, 0.2443



10.2152, 23.6742, 86.2038

Complementary

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



48.0057, 23.6742, 50.7546



34.3334, 67.4415, 15.2183

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.



7.7340, 23.6742, 38.1647



48.0057, 23.6742, 50.7546



11.6001, 23.6742, 1.9289

Square

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



48.0057, 23.6742, 50.7546



30.0600, 23.6742, 0.5076



8.1445, 23.6742, 10.7287



16.3300, 23.6742, 130.7883

Rectangle

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



48.0057, 23.6742, 50.7546



45.2625, 23.6742, 5.9254



8.1445, 23.6742, 10.7287



9.0321, 23.6742, 68.8433

Sweetspot

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



48.0065, 23.6755, 50.7550



72.5615, 59.4207, 87.8461



18.6836, 7.6753, 89.3041



15.0112, 11.8037, 18.2438



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.



48.0065, 23.6755, 50.7550



51.1299, 25.2160, 54.0096



39.7007, 20.3531, 7.0172



17.8092, 17.4510, 20.8509



25.9888, 12.8112, 27.7131



2.4476, 1.2028, 2.7802

Inverse Universe

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



48.0065, 23.6755, 50.7550



51.1299, 25.2160, 54.0096



41.9995, 70.5080, 55.5877



17.8092, 17.4510, 20.8509



25.9888, 12.8112, 27.7131



2.4476, 1.2028, 2.7802

Previews

White Background



This preview shows how the XYZ color 48.0057, 23.6742, 50.7546 looks on a white background.

Color Contrast Check

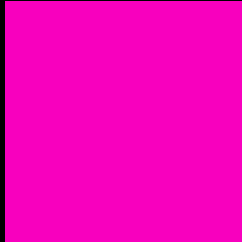
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0057, 23.6742, 50.7546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

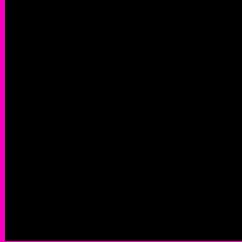
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0057, 23.6742, 50.7546

Background



This preview shows how black text looks on a background with the XYZ color 48.0057, 23.6742, 50.7546.



This preview shows how white text looks on a background with the XYZ color 48.0057, 23.6742,

50.7546.

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

48.0057, 23.6742, 50.7546

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

24.8809, 24.3494, 45.5080



Tritanopia

39.5240, 23.9474, 9.9363

Trichromacy



Original Color

48.0057, 23.6742, 50.7546



Protanomaly

27.1899, 16.9426, 77.4385



Deuteranomaly

28.2696, 18.4204, 46.3215



Tritanomaly

41.0047, 22.3231, 19.6004

Monochromacy



Original Color

48.0057, 23.6742, 50.7546



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.4605, 11.5285, 22.3713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0057, 23.6742, 50.7546 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(248, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(248, 0, 190)  
}
```

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(248, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 190) }
```

Border

The CSS property to change the border of an element to XYZ 48.0057, 23.6742, 50.7546 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(248, 0, 190) }
```


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

```
.border{ border-color:rgb(248, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(248, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(248, 0,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0057, 23.6742, 50.7546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 0, 190) }
```

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

```
.background{ background-color: rgb(248, 0,  
190) }
```

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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