

Converting Colors

XYZ(48.2504, 23.9565, 43.7102)

Have a look what the booklet for
XYZ(48.2504, 23.9565, 43.7102)
contains.

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Color

**XYZ(48.0807, 23.8698,
43.6682)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00B1
RGB	252, 0, 177
RGB Percent	99%, 0%, 69%
CMY	0.0118, 0.9998, 0.3059
CMYK	0.00, 1.00, 0.30, 0.01
HSL	318°, 100%, 49%
HSV	318°, 100%, 99%
XYZ	48.0807, 23.8698, 43.6682
YIQ	95.5260, 93.3750, 108.4710

Conversions

Conversions Part 2

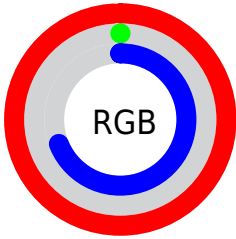
Format	Color
R_{YB}	252, 0, 177
Decimal	16515249
CIE _{Lab}	55.96, 88.23, -23.43
CIE _{LCh}	56, 91.292, 345.131
Yxy	23.8698, 0.4159, 0.2065
Android (android.graphics.Color)	4294705329 (0xFFFC00B1)
YUV	95.5260, 40.1667, 137.2277
Hunter-Lab	48.8567, 90.1655, -18.7938

Details

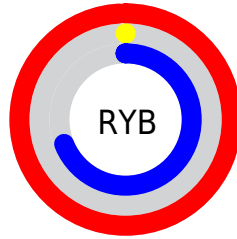
The XYZ color **48.0807, 23.8698, 43.6682** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.0832, 70.1301, 18.3020**, and the grayscale version is **10.9023, 11.4701, 12.4909**.

A 20% lighter version of the original color is **60.6017, 36.4506, 80.9324**, and **24.8733, 12.4024, 20.1517** is the 20% darker color. If you saturate the color by 10%, you get **48.0790, 23.8691, 43.6591**, and if you desaturate by 10%, it is **49.2026, 24.8837, 47.8336**.

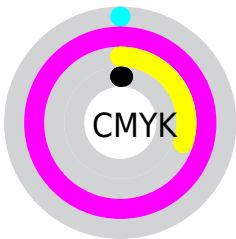
Distribution



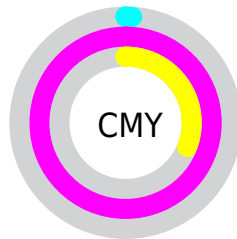
- Red (99%)
- Green (0%)
- Blue (69%)



- Red (99%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0807, 23.8698, 43.6682 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 48.0807, 23.8698, 43.6682 by changing the saturation by 10% instead.


 48.0807, 23.8698,
43.6682

 48.0807, 23.8698,
43.6682

369.6892,
272.1616, 377.3542


 34.1023, 15.2371,
30.0745


 86.5335, 49.8176,
82.0154


 23.1355, 8.9859,
19.6426


 111.7387, 67.9016,
107.6059


 14.8148, 4.7320,
11.9540


 141.4168, 89.9046,
138.0324

 8.7750, 2.0909,
6.5902

 175.9332,
116.2113, 173.7135

 4.6506, 0.6595,
3.1326

 215.6533,
147.2059, 215.0677

 2.0764, 0.0000,
1.1628

260.9424,

 0.6763, 0.0000,

183.2729, 262.5135

0.0000

312.1659,
224.7967, 316.4695

■ 0.0000, 0.0000,
0.0000

■ 48.0807, 23.8698,
43.6682

■ 48.0807, 23.8698,
43.6682

■ 48.0790, 23.8691,
43.6591

■ 49.2026, 24.8837,
47.8336

■ 50.8202, 26.8221,
52.3701

■ 53.0736, 29.9647,
57.3276

■ 56.0484, 34.4810,
62.7377

■ 59.8162, 40.5136,
68.6270

64.4397, 48.1869,
75.0196

69.9752, 57.6126,
81.9369

76.4739, 68.8923,
89.3988

83.9834, 82.1201,
97.4238

Harmonies

Analogous

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



40.0533, 23.8698, 91.1160



48.0807, 23.8698, 43.6682



48.0417, 23.8698, 13.7065

Triad

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



48.0807, 23.8698, 43.6682



17.8498, 23.8698, 0.5838



11.2858, 23.8698, 91.5442

Complementary

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



48.0807, 23.8698, 43.6682



36.0832, 70.1301, 18.3020

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.



8.3231, 23.8698, 44.0268



48.0807, 23.8698, 43.6682



11.2453, 23.8698, 2.8899

Square

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



48.0807, 23.8698, 43.6682



28.2264, 23.8698, 0.5763



8.3109, 23.8698, 13.8723



17.9252, 23.8698, 130.2309

Rectangle

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



48.0807, 23.8698, 43.6682



43.3321, 23.8698, 4.9814



8.3109, 23.8698, 13.8723



9.9310, 23.8698, 74.9591

Sweetspot

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



48.0815, 23.8711, 43.6686



71.8578, 59.1392, 84.1407



20.2025, 8.3860, 92.6495



14.8422, 11.7361, 17.3537



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.



48.0815, 23.8711, 43.6686



49.3857, 24.5183, 44.8249



40.8267, 20.9692, 5.4659



17.7600, 17.4314, 20.5919



25.1129, 12.4609, 23.1007



2.3725, 1.1727, 2.3850

Inverse Universe

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



48.0815, 23.8711, 43.6686



49.3857, 24.5183, 44.8249



44.9367, 73.6715, 64.9234



17.7600, 17.4314, 20.5919



25.1129, 12.4609, 23.1007



2.3725, 1.1727, 2.3850

Previews

White Background



This preview shows how the XYZ color 48.0807, 23.8698, 43.6682 looks on a white background.

Color Contrast Check

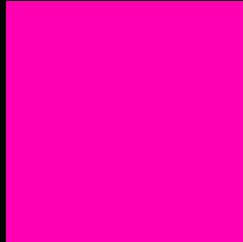
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0807, 23.8698, 43.6682 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 48.0807, 23.8698, 43.6682

Background



This preview shows how black text looks on a background with the XYZ color 48.0807, 23.8698, 43.6682.



This preview shows how white text looks on a background with the XYZ color 48.0807, 23.8698,

43.6682.

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

48.0807, 23.8698, 43.6682

Protanopia

28.4944, 24.9085, 95.4015

Deuteranopia

24.8743, 24.2875, 38.9742



Tritanopia

41.0489, 24.2738, 8.8251

Trichromacy



Original Color

48.0807, 23.8698, 43.6682



Protanomaly

27.0775, 17.0953, 73.1067



Deuteranomaly

28.4632, 18.5523, 39.6169



Tritanomaly

42.5190, 22.9809, 17.2337

Monochromacy



Original Color

48.0807, 23.8698, 43.6682



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.5073, 11.5905, 20.6638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0807, 23.8698, 43.6682 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(252, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 177)  
}
```

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(252, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.0807, 23.8698, 43.6682 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(252, 0, 177) }
```


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

```
.border{ border-color:rgb(252, 0, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0807, 23.8698, 43.6682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 177) }
```

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

```
.background{ background-color: rgb(252, 0,  
177) }
```

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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