

Converting Colors

XYZ(48.8561, 24.9539, 44.5704)

Have a look what the booklet for
XYZ(48.8561, 24.9539, 44.5704)
contains.

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Color

**XYZ(48.6450, 24.8383,
44.3499)**

Conversions

Conversions Part 1

Format	Color
Hex	FC1EB2
RGB	252, 30, 178
RGB Percent	99%, 12%, 70%
CMY	0.0118, 0.8823, 0.3020
CMYK	0.00, 0.88, 0.29, 0.01
HSL	320°, 97%, 55%
HSV	320°, 88%, 99%
XYZ	48.6450, 24.8383, 44.3499
YIQ	113.2500, 84.8040, 93.0920

Conversions

Conversions Part 2

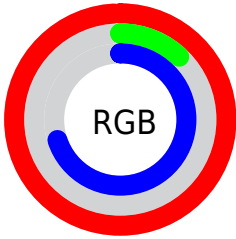
Format	Color
RYB	252, 30, 178
Decimal	16522930
CIELab	56.92, 85.65, -22.53
CIElCh	57, 88.563, 345.259
Yxy	24.8383, 0.4128, 0.2108
Android (android.graphics.Color)	4294713010 (0xFFFC1EB2)
YUV	113.2500, 31.9217, 121.6838
Hunter-Lab	49.8380, 87.0104, -17.8744

Details

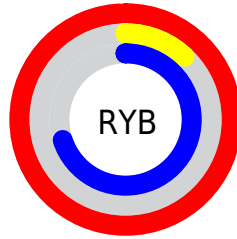
The XYZ color **48.6450, 24.8383, 44.3499** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **37.8465, 70.8973, 24.7931**, and the grayscale version is **15.6646, 16.4804, 17.9472**.

A 20% lighter version of the original color is **61.5599, 38.1378, 81.9587**, and **24.9369, 12.4278, 20.4865** is the 20% darker color. If you saturate the color by 10%, you get **47.4152, 23.6874, 39.9049**, and if you desaturate by 10%, it is **50.4275, 27.0115, 49.2343**.

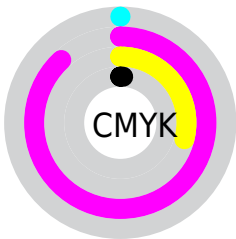
Distribution



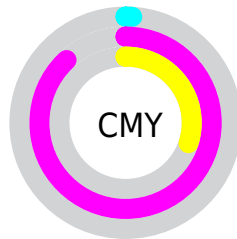
- Red (99%)
- Green (12%)
- Blue (70%)



- Red (99%)
- Yellow (12%)
- Blue (70%)



- Cyan (0%)
- Magenta (88%)
- Yellow (29%)
- Black (1%)





- Cyan (1%)
- Magenta (88%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6450, 24.8383, 44.3499 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 48.6450, 24.8383, 44.3499 by changing the saturation by 10% instead.


 48.6450, 24.8383,
44.3499

 48.6450, 24.8383,
44.3499


371.8833,
277.0317, 380.2173

 34.5513, 15.9566,
30.6065


 87.3679, 51.3948,
83.0521


 23.4824, 9.4935,
20.0434


 112.7278, 69.8384,
108.8479


 15.0727, 5.0644,
12.2422


 142.5738, 92.2381,
139.4983

 8.9571, 2.2851,
6.7843

 177.2713,
118.9782, 175.4217

 4.7701, 0.7658,
3.2512

 217.1857,
150.4433, 217.0368

 2.1464, 0.0000,
1.2243

262.6822,

 0.7142, 0.0000,

187.0176, 264.7621

0.0000

314.1263,
229.0856, 319.0161

■ 0.0000, 0.0000,
0.0000

■ 48.6450, 24.8383,
44.3499

■ 48.6450, 24.8383,
44.3499

■ 47.4152, 23.6874,
39.9049

■ 50.4275, 27.0115,
49.2343

■ 47.2120, 23.5223,
39.0933

■ 52.8728, 30.4264,
54.5988

■ 56.0641, 35.2479,
60.4756

■ 60.0715, 41.6146,
66.8921

■ 64.9565, 49.6484,
73.8731

70.7746, 59.4588,
81.4410

77.5766, 71.1461,
89.6167

85.4093, 84.8031,
98.4196

93.7317, 99.3462,
107.6732

Harmonies

Analogous

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



40.8097, 24.8383, 90.5222



48.6450, 24.8383, 44.3499



48.5694, 24.8383, 14.6189

Triad

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



48.6450, 24.8383, 44.3499



18.7356, 24.8383, 0.8874



12.1625, 24.8383, 91.3429

Complementary

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



48.6450, 24.8383, 44.3499



37.8465, 70.8973, 24.7931

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.



9.1145, 24.8383, 45.0482



48.6450, 24.8383, 44.3499



12.0807, 24.8383, 3.4653

Square

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



48.6450, 24.8383, 44.3499



29.0587, 24.8383, 0.8729



9.0897, 24.8383, 14.9529



18.8855, 24.8383, 128.5250

Rectangle

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



48.6450, 24.8383, 44.3499



43.9407, 24.8383, 5.6493



9.0897, 24.8383, 14.9529



10.7742, 24.8383, 75.2749

Sweetspot

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



48.6458, 24.8397, 44.3503



74.0665, 63.4036, 85.3485



23.7465, 10.9021, 92.9484



15.3704, 12.7481, 17.6669



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.



48.6458, 24.8397, 44.3503



48.4948, 24.1619, 40.1334



41.6236, 22.0308, 7.3720



17.7326, 17.4204, 20.4478



24.6645, 12.2815, 20.7394



2.3335, 1.1571, 2.1797

Inverse Universe

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



48.6458, 24.8397, 44.3503



48.4948, 24.1619, 40.1334



47.6129, 74.8038, 76.2220



17.7326, 17.4204, 20.4478



24.6645, 12.2815, 20.7394



2.3335, 1.1571, 2.1797

Previews

White Background



This preview shows how the XYZ color 48.6450, 24.8383, 44.3499 looks on a white background.

Color Contrast Check

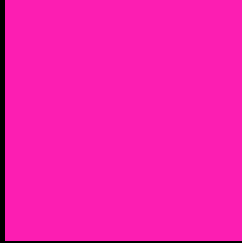
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6450, 24.8383, 44.3499 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 48.6450, 24.8383, 44.3499

Background



This preview shows how black text looks on a background with the XYZ color 48.6450, 24.8383, 44.3499.



This preview shows how white text looks on a background with the XYZ color 48.6450, 24.8383,

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

48.6450, 24.8383, 44.3499

Protanopia

28.7947, 25.3201, 92.9922

Deuteranopia

25.6535, 25.0745, 40.0470



Tritanopia

41.4801, 24.8601, 9.8200

Trichromacy



Original Color

48.6450, 24.8383, 44.3499



Protanomaly

28.8298, 19.5331, 72.0628



Deuteranomaly

29.8937, 20.7710, 40.9617



Tritanomaly

43.2617, 24.1975, 18.3100

Monochromacy



Original Color

48.6450, 24.8383, 44.3499



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

22.9185, 15.8852, 25.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6450, 24.8383, 44.3499 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, 30, 178)` looks like.

```
.text, #text, p{  
    color:rgb(252, 30, 178)  
}
```

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, 30, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 30, 178) }
```

Border

The CSS property to change the border of an element to XYZ 48.6450, 24.8383, 44.3499 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, 30, 178) }
```


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

```
.border{ border-color:rgb(252, 30, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 30, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 30, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 30, 178); box-shadow:4px 4px 4px 4px rgb(252, 30, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6450, 24.8383, 44.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 30, 178) }
```

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

```
.background{ background-color: rgb(252, 30,  
178) }
```

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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