

Converting Colors

XYZ(48.6177, 25.4082, 59.1478)

Have a look what the booklet for
XYZ(48.6177, 25.4082, 59.1478)
contains.

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Color

**XYZ(48.4544, 25.3029,
58.8300)**

Conversions

Conversions Part 1

Format	Color
Hex	F230CB
RGB	242, 48, 203
RGB Percent	95%, 19%, 80%
CMY	0.0510, 0.8117, 0.2039
CMYK	0.00, 0.80, 0.16, 0.05
HSL	312°, 88%, 57%
HSV	312°, 80%, 95%
XYZ	48.4544, 25.3029, 58.8300
YIQ	123.6760, 65.8690, 89.3330

Conversions

Conversions Part 2

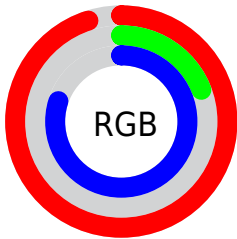
Format	Color
RYB	242, 48, 203
Decimal	15872203
CIELab	57.37, 83.18, -36.40
CIElCh	57, 90.792, 336.367
Yxy	25.3029, 0.3655, 0.1908
Android (android.graphics.Color)	4294062283 (0xFFFF230CB)
YUV	123.6760, 39.1067, 103.7701
Hunter-Lab	50.3020, 83.9152, -34.1304

Details

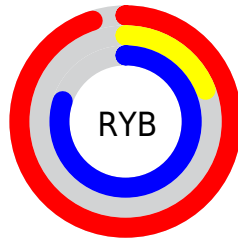
The XYZ color **48.4544, 25.3029, 58.8300** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **34.6928, 64.8218, 19.7031**, and the grayscale version is **18.9116, 19.8965, 21.6673**.

A 20% lighter version of the original color is **65.6513, 41.2026, 99.1004**, and **24.4014, 11.9619, 29.0398** is the 20% darker color. If you saturate the color by 10%, you get **47.1497, 23.6064, 55.5792**, and if you desaturate by 10%, it is **50.3181, 28.0872, 62.3572**.

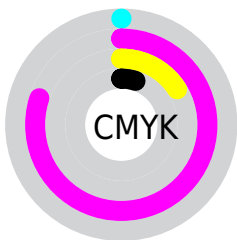
Distribution



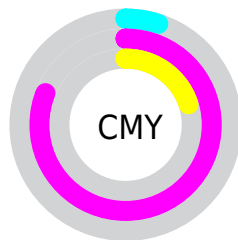
- Red (95%)
- Green (19%)
- Blue (80%)



- Red (95%)
- Yellow (19%)
- Blue (80%)



- Cyan (0%)
- Magenta (80%)
- Yellow (16%)
- Black (5%)





- Cyan (5%)
- Magenta (81%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4544, 25.3029, 58.8300 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 48.4544, 25.3029, 58.8300 by changing the saturation by 10% instead.


 48.4544, 25.3029,
58.8300

 48.4544, 25.3029,
58.8300

371.1431,
279.3431, 437.9560


 34.3996, 16.3029,
42.0572

 87.0862, 52.1482,
104.6572


 23.3651, 9.7387,
28.8202


 112.3939, 70.7622,
134.5487


 14.9855, 5.2261,
18.7004


 142.1833, 93.3498,
169.6502

 8.8955, 2.3805,
11.2794

 176.8198,
120.2951, 210.3802

 4.7296, 0.8158,
6.1385

 216.6686,
151.9827, 257.1572

 2.1226, 0.0000,
2.8594

262.0952,

 0.7015, 0.0000,

188.7970, 310.3998

1.0233

313.4649,
231.1223, 370.5265

■ 0.0000, 0.0000,
0.0000

■ 48.4544, 25.3029,
58.8300

■ 48.4544, 25.3029,
58.8300

■ 47.1497, 23.6064,
55.5792

■ 50.3181, 28.0872,
62.3572


■ 46.2827, 22.7432,
52.6061


■ 52.8150, 32.1092,
66.1860


■ 56.0108, 37.4992,
70.3390


■ 59.9619, 44.3699,
74.8360

■ 64.7190, 52.8224,
79.6946

 70.3283, 62.9489,
84.9309

 76.8323, 74.8344,
90.5600

 84.2710, 88.5581,
96.5957

 89.1341, 97.0997,
101.8688

Harmonies

Analogous

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



38.5411, 25.3029, 108.2443



48.4544, 25.3029, 58.8300



51.0674, 25.3029, 21.4819

Triad

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



48.4544, 25.3029, 58.8300



21.8250, 25.3029, 0.6069



10.9292, 25.3029, 79.8188

Complementary

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



48.4544, 25.3029, 58.8300



34.6928, 64.8218, 19.7031

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.



8.7789, 25.3029, 34.6664



48.4544, 25.3029, 58.8300



13.7397, 25.3029, 2.0713

Square

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



48.4544, 25.3029, 58.8300



33.3456, 25.3029, 1.1066



9.6269, 25.3029, 9.9558



16.6650, 25.3029, 125.4638

Rectangle

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



48.4544, 25.3029, 58.8300



47.7913, 25.3029, 8.7104



9.6269, 25.3029, 9.9558



9.8555, 25.3029, 63.1864

Sweetspot

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



48.4553, 25.3042, 58.8305



76.6191, 66.2073, 93.2945



20.9974, 10.5429, 84.9334



15.9219, 13.3094, 19.5202



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.



48.4553, 25.3042, 58.8305



52.4651, 25.9272, 60.4942



40.2882, 22.0373, 15.8230



16.3101, 15.9738, 19.1893



24.9135, 12.2378, 28.5246



2.1067, 1.0317, 2.5527

Inverse Universe

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



48.4553, 25.3042, 58.8305



52.4651, 25.9272, 60.4942



41.6032, 67.5860, 56.0927



16.3101, 15.9738, 19.1893



24.9135, 12.2378, 28.5246



2.1067, 1.0317, 2.5527

Previews

White Background



This preview shows how the XYZ color 48.4544, 25.3029, 58.8300 looks on a white background.

Color Contrast Check

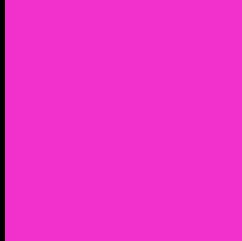
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.4544, 25.3029, 58.8300 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 48.4544, 25.3029, 58.8300

Background



This preview shows how black text looks on a background with the XYZ color 48.4544, 25.3029, 58.8300.



This preview shows how white text looks on a background with the XYZ color 48.4544, 25.3029,

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

48.4544, 25.3029, 58.8300

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

25.9539, 25.3630, 52.8178



Tritanopia

38.9166, 25.1268, 13.6253

Trichromacy



Original Color

48.4544, 25.3029, 58.8300



Protanomaly

30.1439, 20.9909, 81.8198



Deuteranomaly

30.1105, 21.7333, 54.2377



Tritanomaly

41.3439, 24.4517, 25.0948

Monochromacy



Original Color

48.4544, 25.3029, 58.8300



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.8690, 18.8811, 32.4180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4544, 25.3029, 58.8300 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, 48, 203)` looks like.

```
.text, #text, p{  
    color:rgb(242, 48, 203)  
}
```

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, 48, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 48, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.4544, 25.3029, 58.8300 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, 48, 203) }
```


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

```
.border{ border-color:rgb(242, 48, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 48, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 48, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 48, 203);  
box-shadow:4px 4px 4px 4px rgb(242, 48,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4544, 25.3029, 58.8300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 48, 203) }
```

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

```
.background{ background-color: rgb(242, 48,  
203) }
```

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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