

Converting Colors

XYZ(48.2317, 25.5720, 58.2157)

Have a look what the booklet for
XYZ(48.2317, 25.5720, 58.2157)
contains.

XYZ(48.2555, 25.6034, 58.2757)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.2555, 25.6034,
58.2757)**

Conversions

Conversions Part 1

Format	Color
Hex	F136CA
RGB	241, 54, 202
RGB Percent	95%, 21%, 79%
CMY	0.0549, 0.7882, 0.2078
CMYK	0.00, 0.78, 0.16, 0.05
HSL	313°, 87%, 58%
HSV	313°, 78%, 95%
XYZ	48.2555, 25.6034, 58.2757
YIQ	126.7850, 63.9440, 85.6720

Conversions

Conversions Part 2

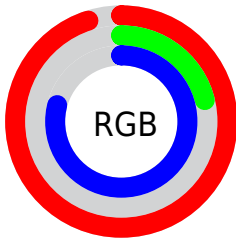
Format	Color
R_{YB}	241, 54, 202
Decimal	15808202
CIE _{Lab}	57.66, 81.38, -35.38
CIE _{LCh}	58, 88.743, 336.501
Yxy	25.6034, 0.3652, 0.1938
Android (android.graphics.Color)	4293998282 (0xFFFF136CA)
YUV	126.7850, 37.0810, 100.1666
Hunter-Lab	50.5998, 81.6804, -32.8643

Details

The XYZ color **48.2555, 25.6034, 58.2757** 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 **34.9539, 64.4863, 20.9637**, and the grayscale version is **19.9629, 21.0025, 22.8718**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **24.0889, 11.8099, 28.6137** is the 20% darker color. If you saturate the color by 10%, you get **46.8130, 23.6551, 54.9062**, and if you desaturate by 10%, it is **50.2741, 28.6720, 61.9333**.

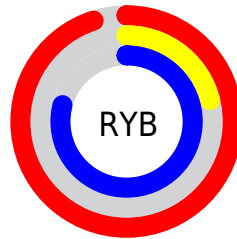
Distribution



Red (95%)

Green (21%)

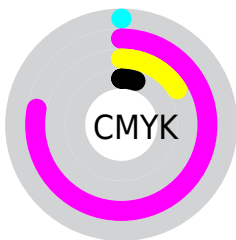
Blue (79%)



Red (95%)

Yellow (21%)

Blue (79%)

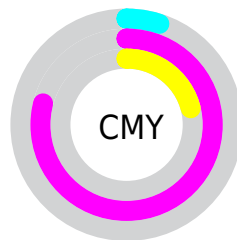


Cyan (0%)

Magenta (78%)

Yellow (16%)

Black (5%)



Cyan (5%)


Magenta (79%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2555, 25.6034, 58.2757 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 48.2555, 25.6034, 58.2757 by changing the saturation by 10% instead.


 48.2555, 25.6034,
58.2757

 48.2555, 25.6034,
58.2757

370.3697,
280.8297, 435.8394


 34.2414, 16.5272,
41.6142


 86.7921, 52.6344,
103.8430

 23.2428, 9.8980,
28.4760


 112.0453, 71.3580,
133.5858


 14.8946, 5.3314,
18.4426


 141.7755, 94.0662,
168.5261

 8.8313, 2.4430,
11.0955

 176.3481,
121.1434, 209.0825

 4.6875, 0.8479,
6.0161

 216.1285,
152.9739, 255.6735

 2.0980, 0.0000,
2.7859

261.4820,

 0.6881, 0.0000,

189.9422, 308.7176

0.9864

312.7739,
232.4327, 368.6334

■ 0.0000, 0.0000,
0.0000

■ 48.2555, 25.6034,
58.2757

■ 48.2555, 25.6034,
58.2757

■ 46.8130, 23.6551,
54.9062

■ 50.2741, 28.6720,
61.9333

■ 45.8476, 22.6305,
51.7902


■ 52.9386, 33.0017,
65.9026


■ 45.6507, 22.4509,
51.0648


■ 56.3116, 38.7166,
70.2054


■ 60.4474, 45.9252,
74.8608

■ 65.3948, 54.7249,
79.8859

 71.1986, 65.2051,
85.2964

 77.9003, 77.4483,
91.1070

 85.5386, 91.5318,
97.3313

 88.8615, 96.9511,
102.2197

Harmonies

Analogous

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



38.6034, 25.6034, 106.1836



48.2555, 25.6034, 58.2757



50.7617, 25.6034, 21.7707

Triad

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



48.2555, 25.6034, 58.2757



22.0973, 25.6034, 0.7858



11.3416, 25.6034, 79.0919

Complementary

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



48.2555, 25.6034, 58.2757



34.9539, 64.4863, 20.9637

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.



9.1699, 25.6034, 35.0317



48.2555, 25.6034, 58.2757



14.1034, 25.6034, 2.3472

Square

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



48.2555, 25.6034, 58.2757



33.4123, 25.6034, 1.2918



10.0087, 25.6034, 10.4650



17.0719, 25.6034, 123.1526

Rectangle

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



48.2555, 25.6034, 58.2757



47.5459, 25.6034, 9.0865



10.0087, 25.6034, 10.4650



10.2606, 25.6034, 62.9308

Sweetspot

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



48.2564, 25.6047, 58.2762



77.2015, 67.3550, 93.5417



21.5520, 11.2354, 84.2525



16.0303, 13.5276, 19.5527



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.



48.2564, 25.6047, 58.2762



52.5383, 26.1215, 60.3711



40.4161, 22.4686, 16.9897



16.3048, 15.9716, 19.1613



24.8060, 12.1948, 27.9585



2.0986, 1.0285, 2.5103

Inverse Universe

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



48.2564, 25.6047, 58.2762



52.5383, 26.1215, 60.3711



41.7244, 67.1945, 56.6167



16.3048, 15.9716, 19.1613



24.8060, 12.1948, 27.9585



2.0986, 1.0285, 2.5103

Previews

White Background



This preview shows how the XYZ color 48.2555, 25.6034, 58.2757 looks on a white background.

Color Contrast Check

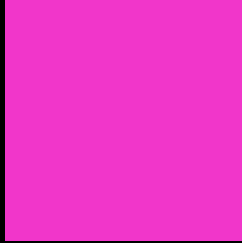
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2555, 25.6034, 58.2757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

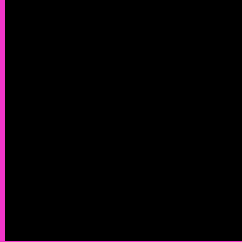
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.2555, 25.6034, 58.2757

Background



This preview shows how black text looks on a background with the XYZ color 48.2555, 25.6034, 58.2757.



This preview shows how white text looks on a background with the XYZ color 48.2555, 25.6034,

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

48.2555, 25.6034, 58.2757

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.3757, 25.7905, 52.8781



Tritanopia

38.8538, 25.3342, 14.1514

Trichromacy



Original Color

48.2555, 25.6034, 58.2757



Protanomaly

30.6109, 21.6826, 81.9287



Deuteranomaly

30.6251, 22.4549, 54.3499



Tritanomaly

41.3585, 24.8602, 25.5403

Monochromacy



Original Color

48.2555, 25.6034, 58.2757



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

26.5384, 19.7723, 32.9896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2555, 25.6034, 58.2757 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(241, 54, 202)` looks like.

```
.text, #text, p{  
    color:rgb(241, 54, 202)  
}
```

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(241, 54, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 54, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.2555, 25.6034, 58.2757 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(241, 54, 202) }
```


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

```
.border{ border-color:rgb(241, 54, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 54, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 54, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 54, 202);  
box-shadow:4px 4px 4px 4px rgb(241, 54,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2555, 25.6034, 58.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 54, 202) }
```

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

```
.background{ background-color: rgb(241, 54,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor