

# Converting Colors

XYZ(52.4050, 25.8590, 60.3143)

Have a look what the booklet for  
XYZ(52.4050, 25.8590, 60.3143)  
contains.

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# Color

**XYZ(52.4674, 25.8899,  
60.6244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF08CE
RGB	255, 8, 206
RGB Percent	100%, 3%, 81%
CMY	0.0000, 0.9684, 0.1922
CMYK	0.00, 0.97, 0.19, 0.00
HSL	312°, 100%, 52%
HSV	312°, 97%, 100%
XYZ	52.4674, 25.8899, 60.6244
YIQ	104.4250, 83.6540, 113.9420

# Conversions

## Conversions Part 2

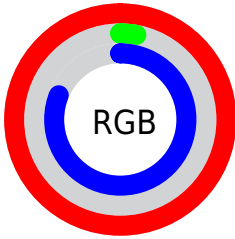
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 8, 206
Decimal	16713934
CIE <sub>Lab</sub>	57.93, 91.49, -37.07
CIE <sub>LCh</sub>	58, 98.710, 337.945
Yxy	25.8899, 0.3775, 0.1863
Android (android.graphics.Color)	4294904014 (0xFFFF08CE)
YUV	104.4250, 50.0765, 132.0543
Hunter-Lab	50.8821, 95.0176, -35.0246

# Details

The XYZ color **52.4674, 25.8899, 60.6244** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.6008, 71.8679, 15.8210**, and the grayscale version is **13.1347, 13.8187, 15.0486**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **27.5782, 13.5718, 30.4442** is the 20% darker color. If you saturate the color by 10%, you get **52.1874, 25.6389, 59.5780**, and if you desaturate by 10%, it is **53.5648, 27.0850, 64.0723**.

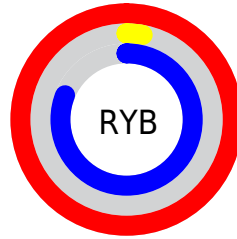
# Distribution



Red (100%)

Green (3%)

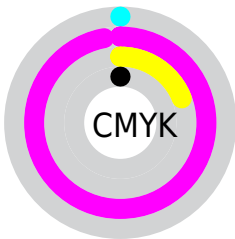
Blue (81%)



Red (100%)

Yellow (3%)

Blue (81%)

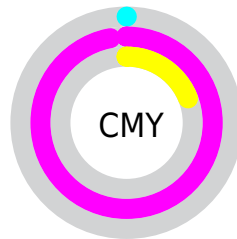


Cyan (0%)

Magenta (97%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (97%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4674, 25.8899, 60.6244 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 52.4674, 25.8899, 60.6244 by changing the saturation by 10% instead.





 52.4674, 25.8899,  
60.6244


 52.4674, 25.8899,  
60.6244


386.5328,  
282.2412, 444.7639


 37.6035, 16.7413,  
43.4935


 92.9903, 53.0973,  
107.2871


 25.8509, 10.0502,  
29.9383


 119.3801, 71.9248,  
137.6561

 16.8443, 5.4323,  
19.5401


 150.3426, 94.7475,  
173.2748

 10.2181, 2.5031,  
11.8804

 186.2431,  
121.9497, 214.5618

 5.6072, 0.8782,  
6.5408

 227.4471,  
153.9157, 261.9357

 2.6461, 0.0000,  
3.1025

274.3197,

 0.9695, 0.0000,

191.0301, 315.8150

1.1472

327.2265,  
233.6771, 376.6182

■ 0.0000, 0.0000,  
0.0000

■ 52.4674, 25.8899,  
60.6244

■ 52.4674, 25.8899,  
60.6244

■ 52.1874, 25.6389,  
59.5780

■ 53.5648, 27.0850,  
64.0723

■ 55.2170, 29.3578,  
67.8035

■ 57.5288, 32.9174,  
71.8539

■ 60.5824, 37.9281,  
76.2518

■ 64.4479, 44.5300,  
81.0216

69.1873, 52.8464,  
86.1846

74.8562, 62.9885,  
91.7603

81.5057, 75.0583,  
97.7665

89.1831, 89.1499,  
104.2199

# Harmonies

## Analogous

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



41.5164, 25.8899, 117.7923



52.4674, 25.8899, 60.6244



54.9129, 25.8899, 20.0723

# Triad

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



52.4674, 25.8899, 60.6244



21.5804, 25.8899, 0.1483



10.6210, 25.8899, 90.6766

# Complementary

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



52.4674, 25.8899, 60.6244



36.6008, 71.8679, 15.8210

# 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.



8.1976, 25.8899, 38.2447



52.4674, 25.8899, 60.6244



13.0549, 25.8899, 1.6635

# Square

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



52.4674, 25.8899, 60.6244



34.2315, 25.8899, 0.5871



8.9163, 25.8899, 10.0562



16.9811, 25.8899, 142.8697



# Rectangle

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



52.4674, 25.8899, 60.6244



50.8397, 25.8899, 7.2902



8.9163, 25.8899, 10.0562



9.4305, 25.8899, 71.3626

# Sweetspot

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



52.4681, 25.8911, 60.6248



73.5508, 60.6388, 90.5205



19.6230, 8.1607, 95.1487



15.2193, 12.0413, 18.8634



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.



52.4681, 25.8911, 60.6248



52.1874, 25.6389, 59.5780



43.0175, 22.1109, 10.8586



18.6291, 18.2349, 21.9299



27.3235, 13.4187, 31.4176



2.6979, 1.3215, 3.2565



# Inverse Universe

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



52.4681, 25.8911, 60.6248



52.1874, 25.6389, 59.5780



43.7768, 74.7384, 53.6098



18.6291, 18.2349, 21.9299



27.3235, 13.4187, 31.4176



2.6979, 1.3215, 3.2565



# Previews

## White Background



This preview shows how the XYZ color 52.4674, 25.8899, 60.6244 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

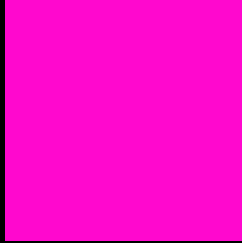
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4674, 25.8899, 60.6244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

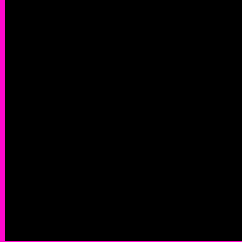
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 52.4674, 25.8899, 60.6244**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4674, 25.8899, 60.6244.



This preview shows how white text looks on a background with the XYZ color 52.4674, 25.8899,



# 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

52.4674, 25.8899, 60.6244

### Protanopia

30.1624, 26.5338, 98.1395

### Deuteranopia

26.8825, 26.2382, 54.0997



## Tritanopia

42.2783, 25.9692, 11.5883

# Trichromacy



## Original Color

52.4674, 25.8899, 60.6244



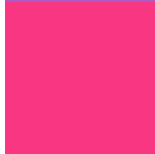
## Protanomaly

30.3600, 19.1885, 82.2244



## Deuteranomaly

30.7287, 20.2173, 55.7088



## Tritanomaly

44.4154, 24.3898, 23.4858

# Monochromacy



## Original Color

52.4674, 25.8899, 60.6244



## Achromatopsia

13.1579, 13.8432, 15.0752



## Achromatomaly

21.2339, 13.5503, 26.6956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4674, 25.8899, 60.6244 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(255, 8, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 206)  
}
```

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(255, 8, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4674, 25.8899, 60.6244 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(255, 8, 206) }
```



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

```
.border{ border-color:rgb(255, 8, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4674, 25.8899, 60.6244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 206) }
```

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

```
.background{ background-color: rgb(255, 8,  
206) }
```

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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