

# Converting Colors

XYZ(51.7652, 31.2788, 58.5674)

Have a look what the booklet for  
XYZ(51.7652, 31.2788, 58.5674)  
contains.

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# Color

**XYZ(51.7652, 31.2788,  
58.5674)**

# Conversions

Conversions Part 1	
Format	Color
Hex	F45DC9
RGB	244, 93, 201
RGB Percent	96%, 36%, 79%
CMY	0.0431, 0.6353, 0.2118
CMYK	0.00, 0.62, 0.18, 0.04
HSL	317°, 87%, 66%
HSV	317°, 62%, 96%
XYZ	51.7652, 31.2788, 58.5674
YIQ	150.4610, 55.3280, 65.6000

# Conversions

## Conversions Part 2

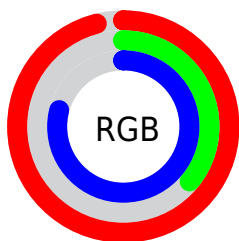
Format	Color
<a href="#">RYB</a>	<a href="#">244, 93, 201</a>
Decimal	<a href="#">16014793</a>
CIELab	<a href="#">62.74, 68.92, -26.89</a>
CIELCh	<a href="#">63, 73.976, 338.685</a>
Yxy	<a href="#">31.2788, 0.3655, 0.2209</a>
Android (android.graphics.Color)	<a href="#">4294204873</a> (0xFFFF45DC9)
YUV	<a href="#">150.4610, 24.9157, 82.0337</a>
Hunter-Lab	<a href="#">55.9275, 67.3426, -22.9395</a>

# Details

The XYZ color **51.7652, 31.2788, 58.5674** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **41.3104, 68.8072, 34.3993**, and the grayscale version is **29.0675, 30.5812, 33.3030**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **25.3603, 12.9502, 28.7668** is the 20% darker color. If you saturate the color by 10%, you get **49.1560, 27.3387, 53.7555**, and if you desaturate by 10%, it is **55.0963, 36.6026, 63.8029**.

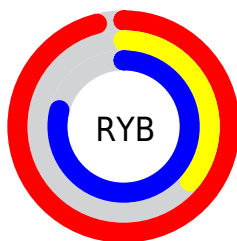
# Distribution



Red (96%)

Green (36%)

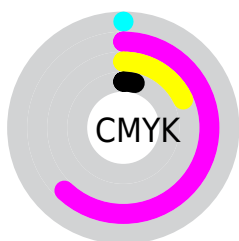
Blue (79%)



Red (96%)

Yellow (36%)

Blue (79%)

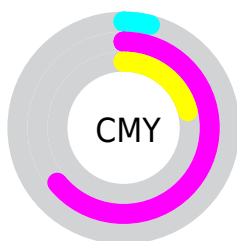


Cyan (0%)

Magenta (62%)

Yellow (18%)

Black (4%)



Cyan (4%)

Magenta (64%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7652, 31.2788, 58.5674 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 51.7652, 31.2788, 58.5674 by changing the saturation by 10% instead.





 51.7652, 31.2788,  
58.5674


 51.7652, 31.2788,  
58.5674


383.8683,  
307.8207, 436.9540


 37.0415, 20.8112,  
41.8473


 91.9611, 61.6787,  
104.2716


 25.4134, 12.9861,  
28.6570


 118.1641, 82.3799,  
134.0927

 16.5157, 7.4190,  
18.5782


 148.9241,  
107.2611, 169.1179

 9.9830, 3.7255,  
11.1922

 184.6066,  
136.7067, 209.7658

 5.4498, 1.5212,  
6.0804

225.5769,  
171.1010, 256.4547

 2.5510, 0.3036,  
2.8245


272.2004,


 0.9210, 0.0000,


210.8285, 309.6034

1.0057


324.8424,  
256.2736, 369.6303


 0.0000, 0.0000,  
0.0000


 51.7652, 31.2788,  
58.5674


 51.7652, 31.2788,  
58.5674


 49.1560, 27.3387,  
53.7555


 55.0963, 36.6026,  
63.8029


 47.1976, 24.6424,  
49.3404


 59.2056, 43.4231,  
69.4823


 45.8092, 23.0284,  
45.2930

 64.1468, 51.8470,  
75.6261


 44.9987, 22.3093,  
42.2418

 69.9682, 61.9698,  
82.2527

 76.7142, 73.8794,  
89.3790

 84.4259, 87.6580,  
97.0210

 90.2677, 97.6329,  
104.2355

 91.1185, 97.9732,  
108.7160

# Harmonies

## Analogous

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



43.6103, 31.2788, 98.6209



51.7652, 31.2788, 58.5674



53.3838, 31.2788, 26.3235

# Triad

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



51.7652, 31.2788, 58.5674



26.8898, 31.2788, 3.3443



16.9905, 31.2788, 82.0515

# Complementary

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



51.7652, 31.2788, 58.5674



41.3104, 68.8072, 34.3993

# 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.



14.3561, 31.2788, 43.1744



51.7652, 31.2788, 58.5674



19.1594, 31.2788, 6.4630

# Square

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



51.7652, 31.2788, 58.5674



37.3704, 31.2788, 4.0654



15.0482, 31.2788, 17.5639



23.2084, 31.2788, 116.7043



# Rectangle

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



51.7652, 31.2788, 58.5674



50.2519, 31.2788, 13.7146



15.0482, 31.2788, 17.5639



15.7289, 31.2788, 68.3781

# Sweetspot

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



51.7662, 31.2803, 58.5680



79.3514, 72.0309, 93.0987



30.3634, 19.5783, 87.7673



16.5498, 14.6542, 19.4559



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.



51.7662, 31.2803, 58.5680



53.7792, 29.4209, 58.2641



44.9716, 28.5625, 22.7878



17.0006, 16.6831, 19.7499



24.5293, 12.1552, 23.2935



2.1999, 1.0859, 2.2792



# Inverse Universe

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



51.7662, 31.2803, 58.5680



53.7792, 29.4209, 58.2641



48.6596, 71.7469, 73.0998



17.0006, 16.6831, 19.7499



24.5293, 12.1552, 23.2935



2.1999, 1.0859, 2.2792



# Previews

## White Background



This preview shows how the XYZ color 51.7652, 31.2788, 58.5674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

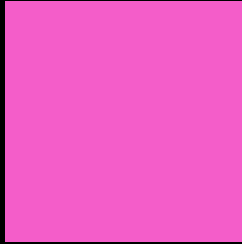
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7652, 31.2788, 58.5674 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 ✓ Pass

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

**XYZ 51.7652, 31.2788, 58.5674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7652, 31.2788, 58.5674.



This preview shows how white text looks on a background with the XYZ color 51.7652, 31.2788,



# 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

51.7652, 31.2788, 58.5674

### Protanopia

34.2991, 31.7323, 90.7034

### Deuteranopia

32.1159, 31.4117, 54.2395



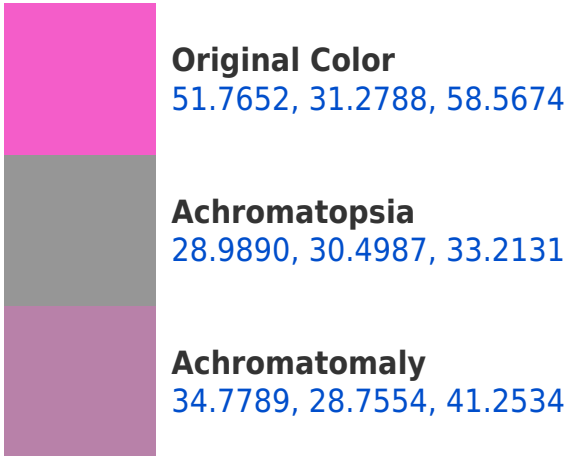
## Tritanopia

43.9484, 31.0236, 21.7610

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7652, 31.2788, 58.5674 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(244, 93, 201)` looks like.

```
.text, #text, p{  
    color:rgb(244, 93, 201)  
}
```

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(244, 93, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 93, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7652, 31.2788, 58.5674 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(244, 93, 201) }
```



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

```
.border{ border-color:rgb(244, 93, 201) }
```

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

Here you see how a box with a 4 pixel rgb(244, 93, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 93, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 93, 201);  
box-shadow:4px 4px 4px 4px rgb(244, 93,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7652, 31.2788, 58.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 93, 201) }
```

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

```
.background{ background-color: rgb(244, 93,  
201) }
```

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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