

# Converting Colors

XYZ(65.6836, 52.2087, 66.8762)

Have a look what the booklet for  
XYZ(65.6836, 52.2087, 66.8762)  
contains.

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# Color

**XYZ(65.6571, 52.2252,  
66.9416)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FEA4D1
RGB	254, 164, 209
RGB Percent	100%, 64%, 82%
CMY	0.0039, 0.3568, 0.1804
CMYK	0.00, 0.35, 0.18, 0.00
HSL	330°, 98%, 82%
HSV	330°, 35%, 100%
XYZ	65.6571, 52.2252, 66.9416
YIQ	196.0400, 39.1950, 33.0750

# Conversions

## Conversions Part 2

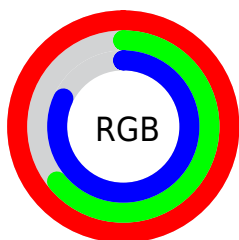
Format	Color
<a href="#">RYB</a>	<a href="#">254, 164, 209</a>
Decimal	<a href="#">16688337</a>
CIELab	<a href="#">77.42, 39.34, -9.00</a>
CIELCh	<a href="#">77, 40.360, 347.113</a>
Yxy	<a href="#">52.2252, 0.3552, 0.2826</a>
Android (android.graphics.Color)	<a href="#">4294878417</a> (0xFFFEA4D1)
YUV	<a href="#">196.0400, 6.3893, 50.8309</a>
Hunter-Lab	<a href="#">72.2670, 35.7062, -4.3340</a>

# Details

The XYZ color **65.6571, 52.2252, 66.9416** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.2625, 83.3809, 73.1380**, and the grayscale version is **52.4411, 55.1722, 60.0825**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **34.3658, 25.4712, 34.1155** is the 20% darker color. If you saturate the color by 10%, you get **60.0470, 43.4216, 57.6204**, and if you desaturate by 10%, it is **72.3033, 62.8992, 77.2278**.

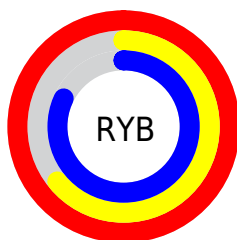
# Distribution



Red (100%)

Green (64%)

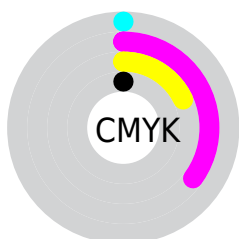
Blue (82%)



Red (100%)

Yellow (64%)

Blue (82%)

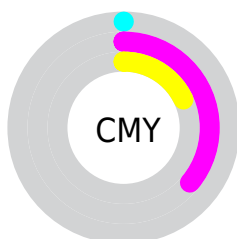


Cyan (0%)

Magenta (35%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6571, 52.2252, 66.9416 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 65.6571, 52.2252, 66.9416 by changing the saturation by 10% instead.




 65.6571, 52.2252,  
66.9416


 65.6571, 52.2252,  
66.9416


434.6575,  
395.3054, 468.2327

 48.2608, 37.1846,  
48.5759

 112.0545, 93.4633,  
116.4766

 34.2456, 25.3505,  
33.9199


 141.7863,  
120.4296, 148.4829

 23.2461, 16.3384,  
22.5552


176.3606,  
152.1398, 185.8732

 14.8970, 9.7639,  
14.0632

216.1428,  
188.9786, 229.0660

 8.8330, 5.2427,  
8.0254

261.4982,  
231.3301, 278.4797

 4.6886, 2.3904,  
4.0232


312.7923,

 2.0986, 0.8209,


279.5788, 334.5331


1.6381


370.3902,  
334.1091, 397.6446


 0.6885, 0.0000,  
0.3178


 0.0000, 0.0000,  
0.0000


 65.6571, 52.2252,  
66.9416

 65.6571, 52.2252,  
66.9416


 60.0470, 43.4216,  
57.6204


 72.3033, 62.8992,  
77.2278

 55.4112, 36.3712,  
49.2275

 80.0336, 75.5370,  
88.5073

 51.6882, 30.9550,  
41.7283

 88.8986, 90.2346,  
100.8108

 48.8067, 27.0360,  
35.0834

94.6833, 99.8109,  
108.8828

■ 46.6843, 24.4542,  
29.2493

■ 45.2196, 23.0123,  
24.1753

■ 44.7036, 22.6031,  
22.0832

# Harmonies

## Analogous

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



61.3979, 52.2252, 91.2008



65.6571, 52.2252, 66.9416



65.3145, 52.2252, 45.1903

# Triad

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



65.6571, 52.2252, 66.9416



45.3746, 52.2252, 25.0120



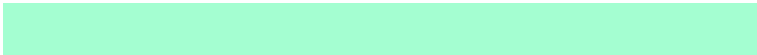
40.1573, 52.2252, 94.2887

# Complementary

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



65.6571, 52.2252, 66.9416



62.2625, 83.3809, 73.1380

# 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.



36.6957, 52.2252, 70.3935



65.6571, 52.2252, 66.9416



39.4854, 52.2252, 32.4509

# Square

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



65.6571, 52.2252, 66.9416



53.0426, 52.2252, 24.5432



36.4634, 52.2252, 47.8529



46.3832, 52.2252, 109.5444



# Rectangle

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



65.6571, 52.2252, 66.9416



62.5185, 52.2252, 34.7740



36.4634, 52.2252, 47.8529



38.6614, 52.2252, 86.7548

# Sweetspot

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



65.6586, 52.2276, 66.9427



84.5687, 82.5202, 94.6697



57.4616, 47.2648, 99.8609



17.8458, 17.2400, 19.9067



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.



65.6586, 52.2276, 66.9427



61.8644, 45.7961, 60.3280



60.8513, 50.3047, 41.6275



18.3882, 18.1386, 20.6612



23.6426, 11.9464, 12.0346



2.3571, 1.1852, 1.4620



# Inverse Universe

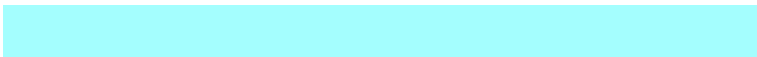
The Inverse Universe completely reimagines the original color for something new.



65.6586, 52.2276, 66.9427



61.8644, 45.7961, 60.3280



68.6426, 85.9330, 106.7353



18.3882, 18.1386, 20.6612



23.6426, 11.9464, 12.0346

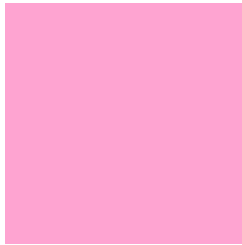


2.3571, 1.1852, 1.4620



# Previews

## White Background



This preview shows how the XYZ color 65.6571, 52.2252, 66.9416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

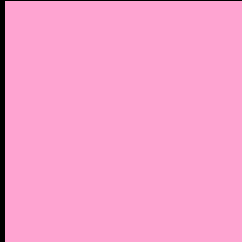
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6571, 52.2252, 66.9416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

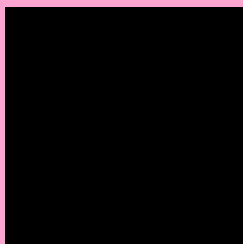
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.6571, 52.2252, 66.9416**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.6571, 52.2252, 66.9416.



This preview shows how white text looks on a background with the XYZ color 65.6571, 52.2252,



# 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

65.6571, 52.2252, 66.9416

### Protanopia

52.1485, 52.6322, 79.3620

### Deuteranopia

53.4802, 52.3630, 65.0460



## Tritanopia

62.4151, 52.2626, 51.0540

# Trichromacy



**Original Color**  
65.6571, 52.2252, 66.9416



**Protanomaly**  
56.0205, 51.9167, 74.7785



**Deuteranomaly**  
57.1852, 51.8266, 65.3821

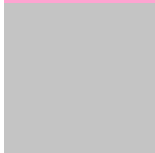


**Tritanomaly**  
63.4780, 52.1387, 56.5873

# Monochromacy



**Original Color**  
65.6571, 52.2252, 66.9416



**Achromatopsia**  
52.4687, 55.2011, 60.1140



**Achromatomaly**  
56.2984, 53.2497, 62.5693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6571, 52.2252, 66.9416 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(254, 164, 209) looks like.

```
.text, #text, p{  
    color:rgb(254, 164, 209)  
}
```

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(254, 164, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 164, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6571, 52.2252, 66.9416 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(254, 164, 209) }
```



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

```
.border{ border-color:rgb(254, 164, 209) }
```

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

Here you see how a box with a 4 pixel rgb(254, 164, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 164, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 164, 209);  
box-shadow:4px 4px 4px 4px rgb(254, 164,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6571, 52.2252, 66.9416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 164, 209) }
```

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

```
.background{ background-color: rgb(254,  
164, 209) }
```

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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