

# Converting Colors

XYZ(70.1387, 65.2145, 54.2390)

Have a look what the booklet for  
XYZ(70.1387, 65.2145, 54.2390)  
contains.

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# Color

**XYZ(70.0858, 65.1089,  
54.2207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6B8
RGB	255, 198, 184
RGB Percent	100%, 78%, 72%
CMY	0.0000, 0.2235, 0.2784
CMYK	0.00, 0.22, 0.28, 0.00
HSL	12°, 100%, 86%
HSV	12°, 28%, 100%
XYZ	70.0858, 65.1089, 54.2207
YIQ	213.4470, 38.4660, 7.7300

# Conversions

## Conversions Part 2

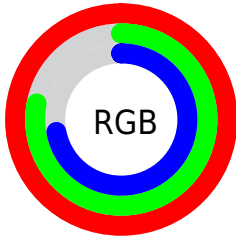
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 201, 184
Decimal	16762552
CIE Lab	84.54, 18.36, 14.82
CIE LCh	85, 23.592, 38.914
Yxy	65.1089, 0.3700, 0.3437
Android (android.graphics.Color)	4294952632 (0xFFFFC6B8)
YUV	213.4470, -14.5174, 36.4420
Hunter-Lab	80.6901, 13.8339, 16.6424

# Details

The XYZ color **70.0858, 65.1089, 54.2207** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.2713, 80.3181, 106.4597**, and the grayscale version is **63.6228, 66.9361, 72.8935**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **37.0960, 33.4555, 25.9751** is the 20% darker color. If you saturate the color by 10%, you get **63.2832, 55.4026, 39.9329**, and if you desaturate by 10%, it is **78.0059, 76.2786, 71.2595**.

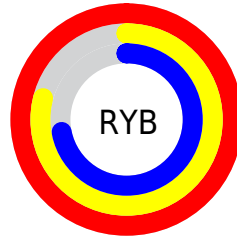
# Distribution



Red (100%)

Green (78%)

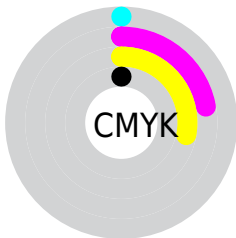
Blue (72%)



Red (100%)

Yellow (79%)

Blue (72%)

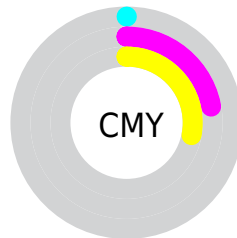


Cyan (0%)

Magenta (22%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0858, 65.1089, 54.2207 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 70.0858, 65.1089, 54.2207 by changing the saturation by 10% instead.





 70.0858, 65.1089,  
54.2207

 70.0858, 65.1089,  
54.2207


450.1129,  
443.1832, 420.1494

 51.8763, 47.5494,  
38.3838


 118.3567,  
112.2064, 97.8579

 37.1304, 33.4702,  
25.9765


149.1489,  
142.5132, 126.4952

 25.4826, 22.4869,  
16.5805

184.8659,  
177.8379, 160.2364

 16.5676, 14.2151,  
9.7771

225.8733,  
218.5648, 199.5000

 10.0201, 8.2704,  
5.1477

272.5364,  
265.0784, 244.7046

 5.4746, 4.2685,  
2.2739

325.2204,

 2.5659, 1.8248,

317.7631, 296.2687

0.7166

384.2908,  
377.0032, 354.6108

■ 0.9286, 0.5026,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.0858, 65.1089,  
54.2207

■ 70.0858, 65.1089,  
54.2207

■ 63.2832, 55.4026,  
39.9329

■ 78.0059, 76.2786,  
71.2595

■ 57.5420, 47.0900,  
28.2473

■ 87.0864, 88.9598,  
91.1794

■ 52.8088, 40.1090,  
19.0071

95.0500, 100.0000,  
108.9000

■ 49.0231, 34.3893,  
12.0369

■ 46.1178, 29.8537,  
7.1377

■ 44.0161, 26.4165,  
4.0754

■ 42.6229, 23.9776,  
2.5396

■ 42.3935, 23.5670,  
2.3145

# Harmonies

## Analogous

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



72.4153, 65.1089, 66.5013



70.0858, 65.1089, 54.2207



65.5918, 65.1089, 47.1700

# Triad

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



70.0858, 65.1089, 54.2207



52.9249, 65.1089, 60.9806



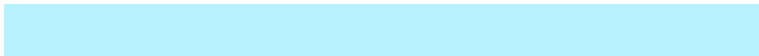
63.4634, 65.1089, 103.5049

# Complementary

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



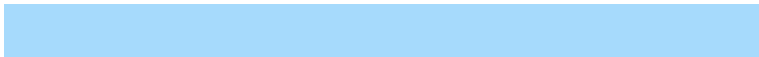
70.0858, 65.1089, 54.2207



69.2713, 80.3181, 106.4597

# 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.



58.3187, 65.1089, 101.4740



70.0858, 65.1089, 54.2207



52.4268, 65.1089, 75.4729

# Square

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



70.0858, 65.1089, 54.2207



55.7501, 65.1089, 50.6716



54.3485, 65.1089, 90.6731



68.4522, 65.1089, 95.8834



# Rectangle

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



70.0858, 65.1089, 54.2207



62.0758, 65.1089, 45.7121



54.3485, 65.1089, 90.6731



61.6927, 65.1089, 103.9488

# Sweetspot

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



70.0874, 65.1119, 54.2220



86.9342, 88.7482, 90.8428



74.4053, 61.9514, 92.0277



18.2994, 18.5670, 18.7636



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.



70.0874, 65.1119, 54.2220



66.4422, 59.9261, 46.5182



78.8943, 82.7255, 57.1576



18.2994, 18.5670, 18.7636



22.2332, 12.4776, 1.2366

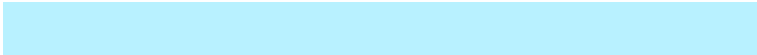


2.2367, 1.3587, 0.1444

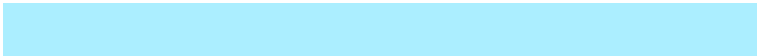


# Inverse Universe

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



69.2713, 80.3181, 106.4597



65.5033, 77.2438, 106.0649



60.0056, 61.7867, 103.3711



18.2326, 19.8367, 23.1179



20.9088, 26.7271, 53.4914



2.1098, 2.7503, 5.2329



# Previews

## White Background



This preview shows how the XYZ color 70.0858, 65.1089, 54.2207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

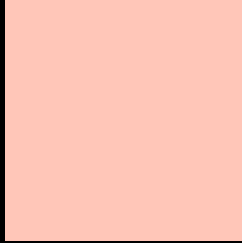
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0858, 65.1089, 54.2207 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 70.0858, 65.1089, 54.2207**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0858, 65.1089, 54.2207.



This preview shows how white text looks on a background with the XYZ color 70.0858, 65.1089,



# 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

70.0858, 65.1089, 54.2207

### Protanopia

62.1037, 65.5219, 58.0890

### Deuteranopia

66.5211, 65.0080, 53.8415



## Tritanopia

72.2637, 64.8937, 69.0386

# Trichromacy



## Original Color

70.0858, 65.1089, 54.2207

## Protanomaly

64.7527, 65.0971, 56.7291

## Deuteranomaly

67.7917, 64.9663, 53.7665

## Tritanomaly

71.4053, 64.9100, 63.4090

# Monochromacy



## Original Color

70.0858, 65.1089, 54.2207

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.2115, 65.8700, 65.1543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0858, 65.1089, 54.2207 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, 198, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 184)  
}
```

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, 198, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0858, 65.1089, 54.2207 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, 198, 184) }
```



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

```
.border{ border-color:rgb(255, 198, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0858, 65.1089, 54.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 184) }
```

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

```
.background{ background-color: rgb(255,  
198, 184) }
```

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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