

# Converting Colors

XYZ(73.7367, 68.8109, 66.5369)

Have a look what the booklet for  
XYZ(73.7367, 68.8109, 66.5369)  
contains.

<b>XYZ(73.7319, 68.8054, 66.5214)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.7319, 68.8054,  
66.5214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCCC
RGB	255, 204, 204
RGB Percent	100%, 80%, 80%
CMY	0.0000, 0.2000, 0.2000
CMYK	0.00, 0.20, 0.20, 0.00
HSL	0°, 100%, 90%
HSV	0°, 20%, 100%
XYZ	73.7319, 68.8054, 66.5214
YIQ	219.2490, 30.3960, 10.8120

# Conversions

## Conversions Part 2

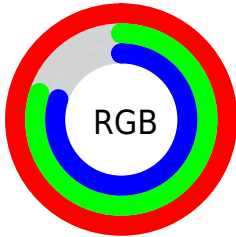
Format	Color
R <sub>Y</sub> B	255, 204, 204
Decimal	16764108
CIE <sub>Lab</sub>	86.41, 18.01, 6.86
CIE <sub>LCh</sub>	86, 19.269, 20.852
Yxy	68.8054, 0.3527, 0.3291
Android (android.graphics.Color)	4294954188 (0xFFFFCCCC)
YUV	219.2490, -7.5178, 31.3536
Hunter-Lab	82.9490, 13.5047, 10.5164

# Details

The XYZ color **73.7319, 68.8054, 66.5214** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.7107, 91.5744, 108.1349**, and the grayscale version is **67.5421, 71.0595, 77.3838**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7001, 36.0205, 33.7144** is the 20% darker color. If you saturate the color by 10%, you get **65.3482, 56.5382, 49.8527**, and if you desaturate by 10%, it is **83.6119, 83.2631, 86.1609**.

# Distribution



Red (100%)

Green (80%)

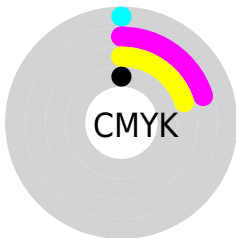
Blue (80%)



Red (100%)

Yellow (80%)

Blue (80%)

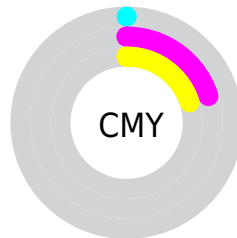


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7319, 68.8054, 66.5214 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 73.7319, 68.8054, 66.5214 by changing the saturation by 10% instead.




 73.7319, 68.8054,  
66.5214

 73.7319, 68.8054,  
66.5214


462.6122,  
456.3443, 466.6943

 54.8651, 50.5532,  
48.2366


123.5132,  
117.5036, 115.8685

 39.5272, 35.8532,  
33.6530


155.1585,  
148.7184, 147.7679

 27.3526, 24.3208,  
22.3519


191.7940,  
185.0229, 185.0426

 17.9762, 15.5718,  
13.9150

233.7851,  
226.8015, 228.1111

 11.0325, 9.2217,  
7.9235

281.4971,  
274.4385, 277.3920

 6.1561, 4.8860,  
3.9589

335.2953,

 2.9818, 2.1806,

328.3184, 333.3038

1.6028

395.5453,  
388.8255, 396.2651

■ 1.1442, 0.7094,  
0.2928

■ 0.0616, 0.0000,  
0.0000

■ 73.7319, 68.8054,  
66.5214

■ 73.7319, 68.8054,  
66.5214

■ 65.3482, 56.5382,  
49.8527

■ 83.6119, 83.2631,  
86.1609

■ 58.3830, 46.3461,  
36.0062

95.0500, 100.0000,  
108.9000

■ 52.7594, 38.1172,  
24.8271

■ 48.3913, 31.7253,  
16.1438

■ 45.1823, 27.0295,  
9.7651

■ 43.0223, 23.8685,  
5.4717

■ 41.7799, 22.0502,  
3.0024

■ 41.2403, 21.2606,  
1.9301

■ 41.2403, 21.2605,  
1.9301

# Harmonies

## Analogous

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



74.2226, 68.8054, 78.8851



73.7319, 68.8054, 66.5214



70.9548, 68.8054, 57.4601

# Triad

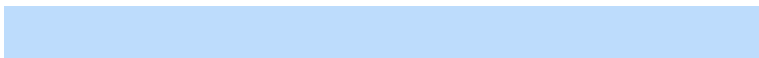
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7319, 68.8054, 66.5214



58.9779, 68.8054, 60.4746



64.0452, 68.8054, 101.8361

# Complementary

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



73.7319, 68.8054, 66.5214



78.7107, 91.5744, 108.1349

# 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.



60.1381, 68.8054, 95.5945



73.7319, 68.8054, 66.5214



57.3012, 68.8054, 71.0850

# Square

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



73.7319, 68.8054, 66.5214



62.3961, 68.8054, 54.2541



57.7160, 68.8054, 83.9917



68.4936, 68.8054, 100.2559



# Rectangle

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



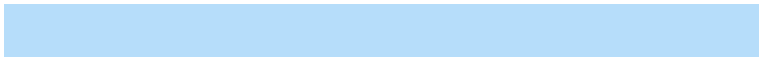
73.7319, 68.8054, 66.5214



68.2471, 68.8054, 54.0533



57.7160, 68.8054, 83.9917



62.6283, 68.8054, 100.5591

# Sweetspot

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



73.7336, 68.8085, 66.5228



87.9959, 89.6780, 94.8763



80.8832, 71.6664, 104.1777



18.6778, 18.9652, 19.9955



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.



73.7336, 68.8085, 66.5228



70.2038, 63.6433, 59.5055



80.2973, 81.9358, 68.7107



18.0096, 17.9874, 18.6670



21.5490, 11.1092, 1.0085



2.0982, 1.0818, 0.0982

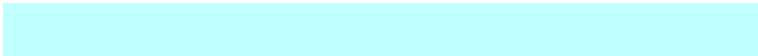


# Inverse Universe

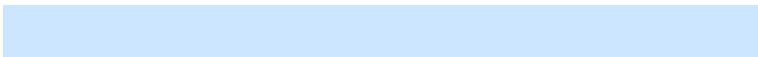
The Inverse Universe completely reimagines the original color for something new.



78.7107, 91.5744, 108.1349



76.0049, 90.1791, 108.0082



71.1103, 76.3737, 105.6014



18.5548, 20.4812, 23.2253



28.1128, 41.1353, 55.8928



2.7373, 4.0053, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 73.7319, 68.8054, 66.5214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

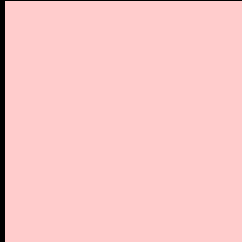
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7319, 68.8054, 66.5214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

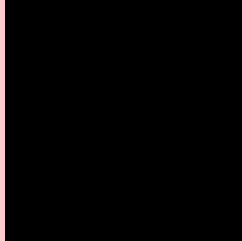
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.7319, 68.8054, 66.5214**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.7319, 68.8054, 66.5214.



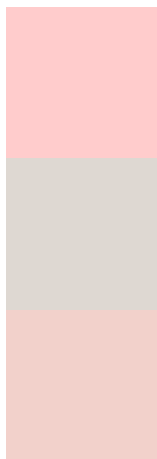
This preview shows how white text looks on a background with the XYZ color 73.7319, 68.8054,



# 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

73.7319, 68.8054, 66.5214

### Protanopia

66.3129, 69.2945, 70.8529

### Deuteranopia

70.1979, 68.7900, 66.0779



## Tritanopia

75.2508, 69.0338, 75.6884

# Trichromacy



## Original Color

73.7319, 68.8054, 66.5214

## Protanomaly

68.8603, 69.1335, 69.3893

## Deuteranomaly

71.4501, 68.7116, 65.9968

## Tritanomaly

74.6062, 68.7760, 72.2937

# Monochromacy



## Original Color

73.7319, 68.8054, 66.5214

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

69.4629, 70.1040, 73.4887

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7319, 68.8054, 66.5214 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, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 204)  
}
```

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, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7319, 68.8054, 66.5214 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, 204, 204) }
```



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

```
.border{ border-color:rgb(255, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7319, 68.8054, 66.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 204) }
```

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

```
.background{ background-color: rgb(255,  
204, 204) }
```

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