

# Converting Colors

XYZ(127.5806, 100.0000,  
66.5215)

Have a look what the booklet for  
XYZ(127.5806, 100.0000, 66.5215)  
contains.

<b>XYZ(75.3431, 72.9720, 64.1468)</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(75.3431, 72.9720,  
64.1468)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD5C7
RGB	255, 213, 199
RGB Percent	100%, 84%, 78%
CMY	0.0000, 0.1647, 0.2196
CMYK	0.00, 0.16, 0.22, 0.00
HSL	15°, 100%, 89%
HSV	15°, 22%, 100%
XYZ	75.3431, 72.9720, 64.1468
YIQ	223.9620, 29.5260, 4.5500

# Conversions

## Conversions Part 2

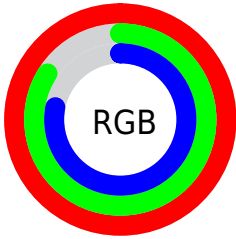
Format	Color
R <sub>Y</sub> B	255, 218, 199
Decimal	16766407
CIE Lab	88.43, 12.59, 12.40
CIE LCh	88, 17.671, 44.550
Yxy	72.9720, 0.3546, 0.3435
Android (android.graphics.Color)	4294956487 (0xFFFFD5C7)
YUV	223.9620, -12.3063, 27.2203
Hunter-Lab	85.4237, 7.9444, 15.2742

# Details

The XYZ color **75.3431, 72.9720, 64.1468** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.0575, 82.2702, 106.6369**, and the grayscale version is **70.8962, 74.5884, 81.2267**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6264, 38.5038, 32.0788** is the 20% darker color. If you saturate the color by 10%, you get **68.0973, 62.8283, 48.3281**, and if you desaturate by 10%, it is **83.6556, 84.4549, 82.7705**.

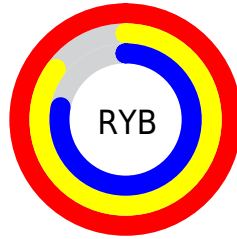
# Distribution



Red (100%)

Green (84%)

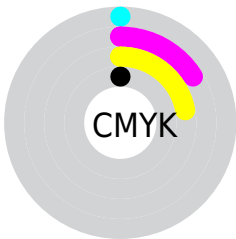
Blue (78%)



Red (100%)

Yellow (85%)

Blue (78%)

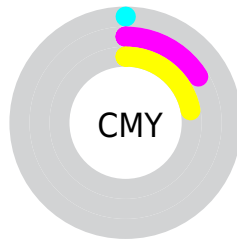


Cyan (0%)

Magenta (16%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3431, 72.9720, 64.1468 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 75.3431, 72.9720, 64.1468 by changing the saturation by 10% instead.



75.3431, 72.9720,  
64.1468

75.3431, 72.9720,  
64.1468

468.0750,  
470.9178, 457.9416

56.1892, 53.9531,  
46.3226

125.7832,  
123.4375, 112.4238

40.5922, 38.5641,  
32.1500

157.8001,  
155.6528, 143.7138

28.1869, 26.4208,  
21.2103

194.8354,  
193.0357, 180.3294

18.6077, 17.1387,  
13.0851

237.2545,  
235.9706, 222.6892

11.4895, 10.3335,  
7.3558

285.4226,  
284.8418, 271.2118

6.4668, 5.6206,  
3.6038

339.7052,

3.1743, 2.6158,

340.0338, 326.3157

1.4106

400.4675,  
401.9310, 388.4195

■ 1.2466, 0.9346,  
0.1500

■ 0.1427, 0.0000,  
0.0000

■ 75.3431, 72.9720,  
64.1468

■ 75.3431, 72.9720,  
64.1468

■ 68.0973, 62.8283,  
48.3281

■ 83.6556, 84.4549,  
82.7705

■ 61.8688, 53.9650,  
35.1731

■ 93.0714, 97.3139,  
104.3218

■ 56.6118, 46.3332,  
24.5351

■ 95.0500, 100.0000,  
108.9000

■ 52.2746, 39.8769,  
16.2515

■ 48.8006, 34.5356,  
10.1399

■ 46.1261, 30.2432,  
5.9913

■ 44.1774, 26.9255,  
3.5542

■ 43.0606, 24.9012,  
2.5369

# Harmonies

## Analogous

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



77.5683, 72.9720, 73.7207



75.3431, 72.9720, 64.1468



71.5565, 72.9720, 58.9717

# Triad

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



75.3431, 72.9720, 64.1468



61.7787, 72.9720, 73.3837



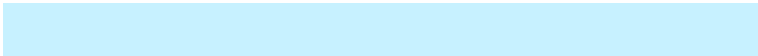
71.4301, 72.9720, 104.3164

# Complementary

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



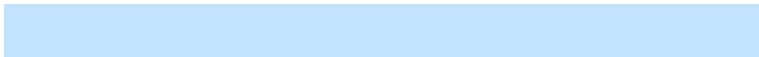
75.3431, 72.9720, 64.1468



73.0575, 82.2702, 106.6369

# 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.



67.2044, 72.9720, 104.2024



75.3431, 72.9720, 64.1468



61.7480, 72.9720, 85.4773

# Square

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



75.3431, 72.9720, 64.1468



63.7837, 72.9720, 63.9219



63.6980, 72.9720, 97.0212



75.2473, 72.9720, 97.3183



# Rectangle

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



75.3431, 72.9720, 64.1468



68.7117, 72.9720, 58.3414



63.6980, 72.9720, 97.0212



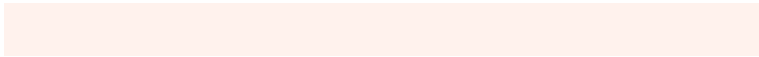
70.0077, 72.9720, 105.1297

# Sweetspot

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



75.3448, 72.9752, 64.1483



88.1854, 90.6580, 93.0866



77.5410, 68.4585, 92.3463



18.7542, 19.2390, 19.6473



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.



75.3448, 72.9752, 64.1483



72.2913, 68.7182, 57.4273



83.0044, 88.2944, 66.7015



18.3784, 18.7250, 18.7900



22.5988, 13.2088, 1.3585

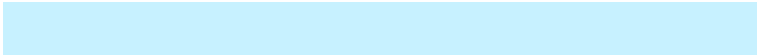


2.2826, 1.4505, 0.1597

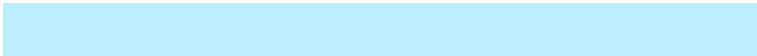


# Inverse Universe

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



73.0575, 82.2702, 106.6369



69.6586, 79.3939, 106.2609



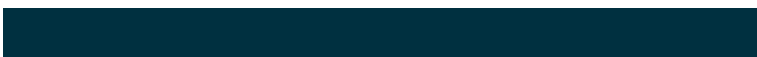
65.3981, 66.9514, 104.0838



18.1476, 19.6668, 23.0895



19.3172, 23.5440, 52.9609

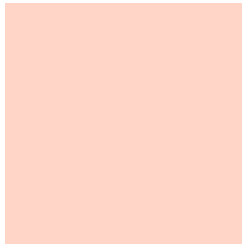


1.9674, 2.4655, 5.1855



# Previews

## White Background



This preview shows how the XYZ color 75.3431, 72.9720, 64.1468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

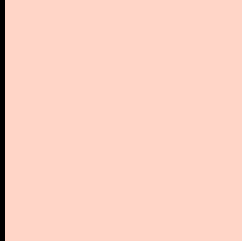
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3431, 72.9720, 64.1468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

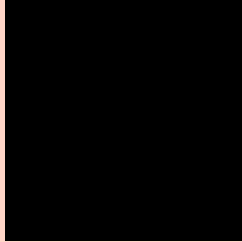
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.3431, 72.9720, 64.1468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3431, 72.9720, 64.1468.



This preview shows how white text looks on a background with the XYZ color 75.3431, 72.9720,



# 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

75.3431, 72.9720, 64.1468

### Protanopia

69.5909, 73.0136, 66.9251

### Deuteranopia

74.5003, 72.9121, 64.1797



## Tritanopia

77.8772, 72.7894, 81.1794

# Trichromacy



## Original Color

75.3431, 72.9720, 64.1468

## Protanomaly

71.6673, 72.9323, 66.1772

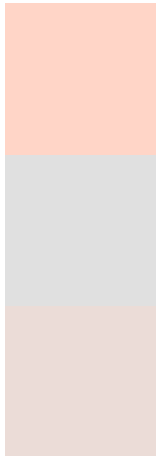
## Deuteranomaly

74.8634, 73.0993, 64.1967

## Tritanomaly

76.9289, 72.8064, 74.9642

# Monochromacy



## Original Color

75.3431, 72.9720, 64.1468

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

72.1199, 73.7549, 74.7250

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3431, 72.9720, 64.1468 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, 213, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 199)  
}
```

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, 213, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3431, 72.9720, 64.1468 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, 213, 199) }
```



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

```
.border{ border-color:rgb(255, 213, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3431, 72.9720, 64.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 199) }
```

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

```
.background{ background-color: rgb(255,  
213, 199) }
```

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