

# Converting Colors

XYZ(72.9701, 72.0228, 51.6508)

Have a look what the booklet for XYZ(72.9701, 72.0228, 51.6508) contains.

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# Color

**XYZ(72.9701, 72.0228,  
51.6508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5B1
RGB	255, 213, 177
RGB Percent	100%, 84%, 69%
CMY	0.0000, 0.1647, 0.3059
CMYK	0.00, 0.16, 0.31, 0.00
HSL	28°, 100%, 85%
HSV	28°, 31%, 100%
XYZ	72.9701, 72.0228, 51.6508
YIQ	221.4540, 36.5880, -2.2920

# Conversions

## Conversions Part 2

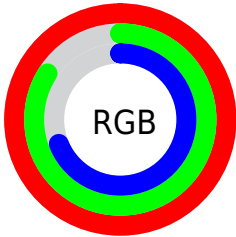
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 244, 177
Decimal	16766385
CIE <sub>Lab</sub>	87.98, 9.64, 23.30
CIE <sub>LCh</sub>	88, 25.212, 67.512
Yxy	72.0228, 0.3711, 0.3663
Android (android.graphics.Color)	4294956465 (0xFFFFD5B1)
YUV	221.4540, -21.9158, 29.4198
Hunter-Lab	84.8662, 4.9628, 23.3216

# Details

The XYZ color **72.9701, 72.0228, 51.6508** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.5122, 67.2280, 104.3420**, and the grayscale version is **69.1792, 72.7819, 79.2594**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **38.8909, 37.7793, 24.3111** is the 20% darker color. If you saturate the color by 10%, you get **67.3540, 64.4853, 38.3892**, and if you desaturate by 10%, it is **79.3569, 80.3416, 67.5140**.

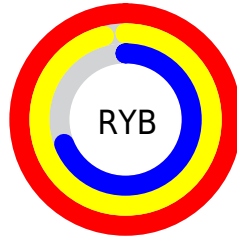
# Distribution



Red (100%)

Green (84%)

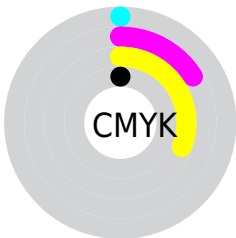
Blue (69%)



Red (100%)

Yellow (96%)

Blue (69%)

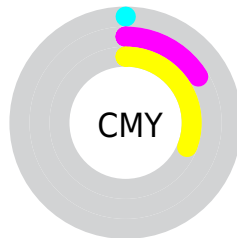


Cyan (0%)

Magenta (16%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9701, 72.0228, 51.6508 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 72.9701, 72.0228, 51.6508 by changing the saturation by 10% instead.




 72.9701, 72.0228,  
51.6508

 72.9701, 72.0228,  
51.6508


460.0166,  
467.6210, 410.0055

 54.2398, 53.1773,  
36.3465


 122.4381,  
122.0889, 94.0374

 39.0248, 37.9443,  
24.4101


153.9066,  
154.0784, 121.9567

 26.9599, 25.9395,  
15.4231


190.3518,  
191.2179, 154.9181

 17.6795, 16.7784,  
8.9670

232.1391,  
233.8920, 193.3402

 10.8184, 10.0766,  
4.6231

279.6339,  
282.4849, 237.6414

 6.0113, 5.4498,  
1.9730

333.2015,

 2.8927, 2.5135,

337.3811, 288.2404

0.5386

393.2072,  
398.9650, 345.5556

■ 1.0973, 0.8834,  
0.0000

■ 0.0228, 0.0000,  
0.0000

■ 72.9701, 72.0228,  
51.6508

■ 72.9701, 72.0228,  
51.6508

■ 67.3540, 64.4853,  
38.3892

■ 79.3569, 80.3416,  
67.5140

■ 62.4699, 57.6942,  
27.5828

■ 86.5408, 89.4555,  
86.1055

■ 58.2828, 51.6261,  
19.0773

■ 94.5529, 99.3903,  
107.5489

■ 54.7523, 46.2525,  
12.6988

■ 95.0500, 100.0000,  
108.9000

■ 51.8331, 41.5421,  
8.2481

■ 49.4719, 37.4599,  
5.4873

■ 47.6843, 34.1486,  
4.0781

# Harmonies

## Analogous

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



78.0344, 72.0228, 59.9498



72.9701, 72.0228, 51.6508



66.9563, 72.0228, 49.9795

# Triad

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



72.9701, 72.0228, 51.6508



57.6289, 72.0228, 82.8259



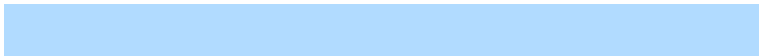
75.7339, 72.0228, 107.7019

# Complementary

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



72.9701, 72.0228, 51.6508



61.5122, 67.2280, 104.3420

# 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.



69.9769, 72.0228, 116.0087



72.9701, 72.0228, 51.6508



59.6944, 72.0228, 100.3419

# Square

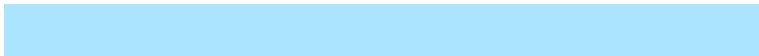
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9701, 72.0228, 51.6508



58.3265, 72.0228, 66.4339



64.1311, 72.0228, 113.1349



79.6941, 72.0228, 91.7687



# Rectangle

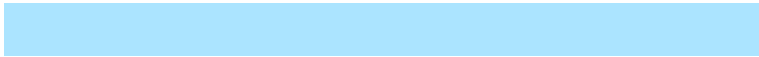
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9701, 72.0228, 51.6508



63.2565, 72.0228, 52.5841



64.1311, 72.0228, 113.1349



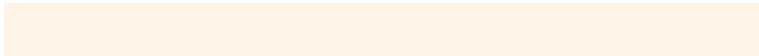
73.9319, 72.0228, 111.5774

# Sweetspot

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



72.9718, 72.0261, 51.6523



87.7567, 90.9773, 89.3163



69.8676, 57.8670, 75.1283



18.5449, 19.1742, 18.4869



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.



72.9718, 72.0261, 51.6523



69.2832, 67.1030, 42.8572



83.7044, 93.4913, 55.2298



18.7004, 19.3689, 18.8973



25.0617, 18.1347, 2.1794

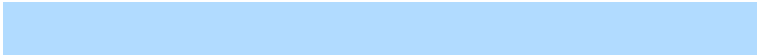


2.5480, 1.9815, 0.2482

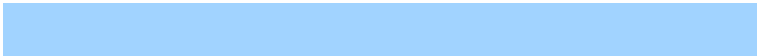


# Inverse Universe

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



61.5122, 67.2280, 104.3420



56.0831, 61.5719, 103.5364



52.6857, 49.5751, 101.3999



17.8131, 18.9979, 22.9781



14.2785, 13.4667, 51.2814

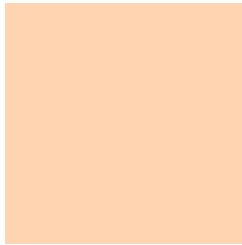


1.4996, 1.5299, 5.0295



# Previews

## White Background



This preview shows how the XYZ color 72.9701, 72.0228, 51.6508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

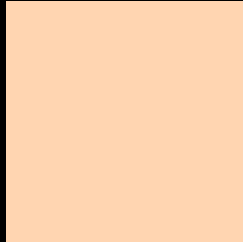
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9701, 72.0228, 51.6508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

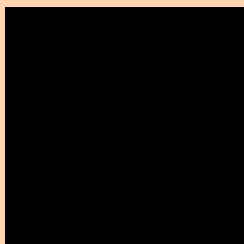
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.9701, 72.0228, 51.6508**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9701, 72.0228, 51.6508.



This preview shows how white text looks on a background with the XYZ color 72.9701, 72.0228,

51.6508.

# 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

72.9701, 72.0228, 51.6508

### Protanopia

67.8654, 72.0150, 54.0395

### Deuteranopia

73.2725, 72.1438, 53.2433



## Tritanopia

77.2253, 72.1349, 78.9604

# Trichromacy



**Original Color**

72.9701, 72.0228, 51.6508

**Protanomaly**

69.6690, 71.7982, 53.3665

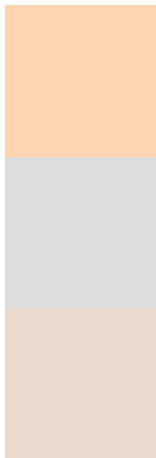
**Deuteranomaly**

73.1709, 72.1032, 52.7086

**Tritanomaly**

75.4272, 71.8094, 68.2777

# Monochromacy



**Original Color**

72.9701, 72.0228, 51.6508

**Achromatopsia**

68.7264, 72.3055, 78.7407

**Achromatomaly**

69.6951, 71.8742, 67.9574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9701, 72.0228, 51.6508 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9701, 72.0228, 51.6508 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, 177) }
```



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

```
.border{ border-color:rgb(255, 213, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9701, 72.0228, 51.6508 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
213, 177) }
```

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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