

# Converting Colors

XYZ(88.7425, 81.0449, 45.9299)

Have a look what the booklet for  
XYZ(88.7425, 81.0449, 45.9299)  
contains.

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# Color

**XYZ(72.2413, 72.5412,  
45.3163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7A4
RGB	255, 215, 164
RGB Percent	100%, 84%, 64%
CMY	0.0000, 0.1568, 0.3569
CMYK	0.00, 0.16, 0.36, 0.00
HSL	34°, 100%, 82%
HSV	34°, 36%, 100%
XYZ	72.2413, 72.5412, 45.3163
YIQ	221.1460, 40.2110, -7.3810

# Conversions

## Conversions Part 2

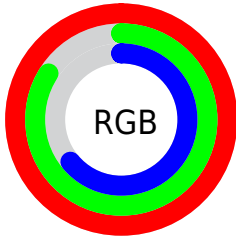
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 255, 164
Decimal	16766884
CIE Lab	88.23, 7.04, 30.38
CIE LCh	88, 31.186, 76.951
Yxy	72.5412, 0.3800, 0.3816
Android (android.graphics.Color)	4294956964 (0xFFFFD7A4)
YUV	221.1460, -28.1730, 29.6900
Hunter-Lab	85.1711, 2.3525, 28.0738

# Details

The XYZ color **72.2413, 72.5412, 45.3163** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.9521, 58.2964, 102.9638**, and the grayscale version is **69.0032, 72.5968, 79.0579**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **38.5214, 38.1818, 20.6688** is the 20% darker color. If you saturate the color by 10%, you get **67.4090, 66.1999, 33.4608**, and if you desaturate by 10%, it is **77.7344, 79.4649, 59.6715**.

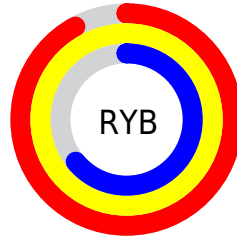
# Distribution



Red (100%)

Green (84%)

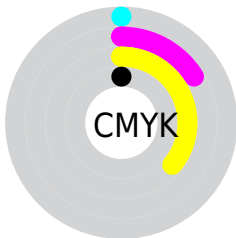
Blue (64%)



Red (92%)

Yellow (100%)

Blue (64%)

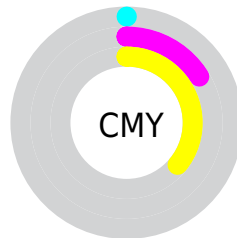


Cyan (0%)

Magenta (16%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2413, 72.5412, 45.3163 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 72.2413, 72.5412, 45.3163 by changing the saturation by 10% instead.




 72.2413, 72.5412,  
45.3163


 72.2413, 72.5412,  
45.3163


457.5256,  
469.4231, 384.2505

 53.6420, 53.6009,  
31.3619


 121.4085,  
122.8257, 84.5183

 38.5450, 38.2827,  
20.6138


 152.7071,  
154.9386, 110.6030

 26.5851, 26.2022,  
12.6535


188.9694,  
192.2112, 141.5682

 17.3968, 16.9749,  
7.0625

230.5609,  
235.0279, 177.8324

 10.6149, 10.2166,  
3.4222

277.8470,  
283.7730, 219.8142

 5.8739, 5.5428,  
1.3140

331.1929,

 2.8085, 2.5691,

338.8310, 267.9321

0.0732

390.9640,  
400.5863, 322.6047

■ 1.0533, 0.9112,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.2413, 72.5412,  
45.3163

■ 72.2413, 72.5412,  
45.3163

■ 67.4090, 66.1999,  
33.4608

■ 77.7344, 79.4649,  
59.6715

■ 63.2006, 60.4121,  
23.9530

■ 83.9122, 86.9788,  
76.6573

■ 59.5831, 55.1608,  
16.6315

■ 90.8037, 95.1028,  
96.4004

■ 56.5176, 50.4239,  
11.3117

95.0500, 100.0000,  
108.9000

■ 53.9592, 46.1765,  
7.7785

■ 51.8532, 42.3897,  
5.7657

■ 51.0516, 40.8832,  
5.2005

# Harmonies

## Analogous

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



79.2215, 72.5412, 52.5847



72.2413, 72.5412, 45.3163



64.8462, 72.5412, 45.8184

# Triad

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



72.2413, 72.5412, 45.3163



56.1054, 72.5412, 91.5907



79.9821, 72.5412, 110.5124

# Complementary

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



72.2413, 72.5412, 45.3163



54.9521, 58.2964, 102.9638

# 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.



73.2197, 72.5412, 125.2110



72.2413, 72.5412, 45.3163



59.6039, 72.5412, 113.0072

# Square

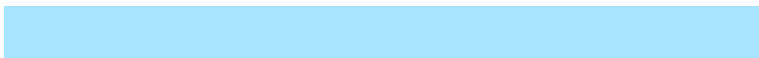
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2413, 72.5412, 45.3163



55.8852, 72.5412, 70.0593



65.7568, 72.5412, 126.1987



83.9031, 72.5412, 88.6384



# Rectangle

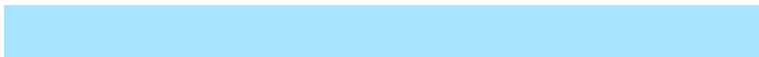
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2413, 72.5412, 45.3163



60.6722, 72.5412, 50.4695



65.7568, 72.5412, 126.1987



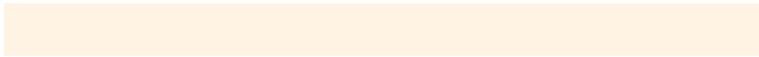
77.9446, 72.5412, 116.6156

# Sweetspot

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



72.2431, 72.5446, 45.3178



87.0508, 90.7083, 85.5573



65.5294, 52.2170, 64.3518



18.4346, 19.1813, 17.7480



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.



72.2431, 72.5446, 45.3178



68.6444, 67.8482, 36.4078



82.0469, 94.6077, 49.0597



18.8540, 19.6762, 18.9485



26.8269, 21.6651, 2.7678



2.7209, 2.3272, 0.3058



# Inverse Universe

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



54.9521, 58.2964, 102.9638



48.9786, 51.6512, 101.9960



47.5920, 42.1572, 100.2365



17.6599, 18.6914, 22.9270



12.6061, 10.1217, 50.7239



1.3340, 1.1987, 4.9743



# Previews

## White Background



This preview shows how the XYZ color 72.2413, 72.5412, 45.3163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

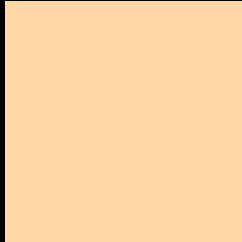
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2413, 72.5412, 45.3163 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 72.2413, 72.5412, 45.3163**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2413, 72.5412, 45.3163.



This preview shows how white text looks on a background with the XYZ color 72.2413, 72.5412,



# 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

72.2413, 72.5412, 45.3163

### Protanopia

67.7566, 72.5074, 46.9834

### Deuteranopia

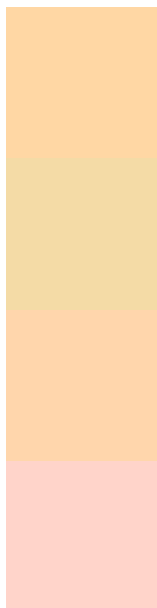
73.1230, 72.4877, 51.2118



## Tritanopia

77.6059, 72.6809, 79.7506

# Trichromacy



## Original Color

72.2413, 72.5412, 45.3163

## Protanomaly

69.5227, 72.6493, 46.4349

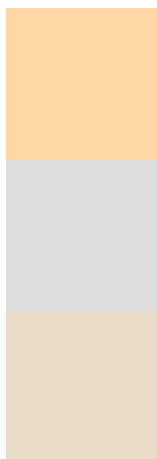
## Deuteranomaly

72.7330, 72.3317, 49.1577

## Tritanomaly

75.4442, 72.6112, 65.9161

# Monochromacy



## Original Color

72.2413, 72.5412, 45.3163

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.3611, 72.1568, 64.9155

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2413, 72.5412, 45.3163 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, 215, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 164)  
}
```

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, 215, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2413, 72.5412, 45.3163 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, 215, 164) }
```



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

```
.border{ border-color:rgb(255, 215, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 215, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 215, 164); box-shadow:4px 4px 4px 4px rgb(255, 215, 164) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2413, 72.5412, 45.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 164) }
```

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

```
.background{ background-color: rgb(255,  
215, 164) }
```

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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