

# Converting Colors

XYZ(69.5421, 72.2039, 28.8140)

Have a look what the booklet for  
XYZ(69.5421, 72.2039, 28.8140)  
contains.

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# **Color**

**XYZ(69.5657, 72.2908,  
28.6994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD97A
RGB	255, 217, 122
RGB Percent	100%, 85%, 48%
CMY	0.0000, 0.1490, 0.5216
CMYK	0.00, 0.15, 0.52, 0.00
HSL	43°, 100%, 74%
HSV	43°, 52%, 100%
XYZ	69.5657, 72.2908, 28.6994
YIQ	217.5320, 53.1430, -21.4890

# Conversions

## Conversions Part 2

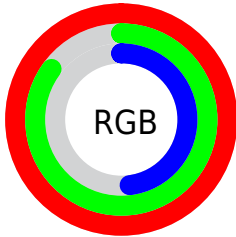
Format	Color
<a href="#">RYB</a>	<a href="#">175, 255, 122</a>
Decimal	<a href="#">16767354</a>
CIELab	<a href="#">88.11, 1.85, 51.26</a>
CIELCh	<a href="#">88, 51.297, 87.928</a>
Yxy	<a href="#">72.2908, 0.4079, 0.4239</a>
Android (android.graphics.Color)	<a href="#">4294957434 (0xFFFFD97A)</a>
YUV	<a href="#">217.5320, -47.0973, 32.8594</a>
Hunter-Lab	<a href="#">85.0240, -2.7453, 39.5038</a>

# Details

The XYZ color **69.5657, 72.2908, 28.6994** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.6465, 36.4979, 99.6153**, and the grayscale version is **66.6081, 70.0769, 76.3137**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **36.7908, 38.0186, 11.1936** is the 20% darker color. If you saturate the color by 10%, you get **66.3524, 68.0698, 20.8297**, and if you desaturate by 10%, it is **73.2798, 76.8503, 38.7824**.

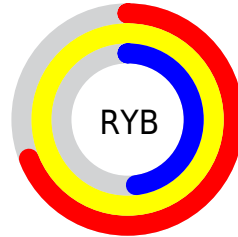
# Distribution



Red (100%)

Green (85%)

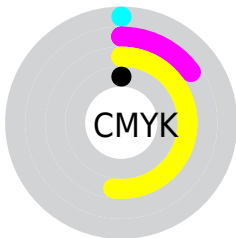
Blue (48%)



Red (69%)

Yellow (100%)

Blue (48%)

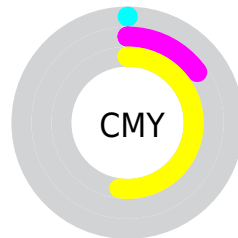


Cyan (0%)

Magenta (15%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5657, 72.2908, 28.6994 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 69.5657, 72.2908, 28.6994 by changing the saturation by 10% instead.



69.5657, 72.2908,  
28.6994

69.5657, 72.2908,  
28.6994

448.3139,  
468.5531, 309.8104

51.4509, 53.3963,  
18.6099

117.6189,  
122.4699, 58.6356

36.7901, 38.1192,  
11.2148

148.2879,  
154.5232, 79.3194

25.2179, 26.0752,  
6.0955

183.8724,  
191.7316, 104.3718

16.3691, 16.8799,  
2.8335

224.7376,  
234.4794, 134.2112

9.8782, 10.1489,  
1.0103

271.2491,  
283.1511, 169.2563

5.3799, 5.4978,  
0.0000

323.7720,

2.5089, 2.5422,

338.1310, 209.9254

0.0000

382.6718,  
399.8036, 256.6373

■ 0.8997, 0.8977,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.5657, 72.2908,  
28.6994

■ 69.5657, 72.2908,  
28.6994

■ 66.3524, 68.0698,  
20.8297

■ 73.2798, 76.8503,  
38.7824

■ 63.6006, 64.1615,  
14.9940

■ 77.5203, 81.7518,  
51.2305

■ 61.2726, 60.5521,  
10.9920

■ 82.3166, 87.0116,  
66.1870

■ 59.3213, 57.2207,  
8.5801

■ 87.6946, 92.6415,  
83.7825

■ 57.9994, 54.7790,  
7.5165

■ 93.6782, 98.6528,  
104.1387

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



81.9969, 72.2908, 34.2580



69.5657, 72.2908, 28.6994



58.2543, 72.2908, 32.8758

# Triad

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



69.5657, 72.2908, 28.6994



49.9229, 72.2908, 114.7388



90.6742, 72.2908, 120.2580

# Complementary

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



69.5657, 72.2908, 28.6994



38.6465, 36.4979, 99.6153

# 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.



80.3479, 72.2908, 154.6596



69.5657, 72.2908, 28.6994



56.9425, 72.2908, 150.8635

# Square

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



69.5657, 72.2908, 28.6994



47.7498, 72.2908, 76.2976



67.8618, 72.2908, 167.2468



95.0509, 72.2908, 81.1776



# Rectangle

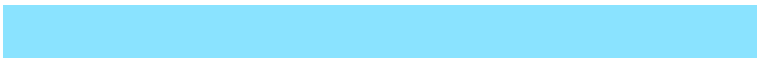
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5657, 72.2908, 28.6994



52.6612, 72.2908, 41.6000



67.8618, 72.2908, 167.2468



87.7277, 72.2908, 133.1429

# Sweetspot

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



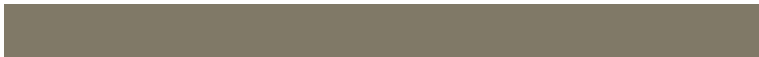
69.5674, 72.2942, 28.7009



85.5570, 90.4330, 76.6983



54.7126, 37.7848, 38.5462



18.0755, 19.1081, 15.6400



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.



69.5674, 72.2942, 28.7009



66.1029, 67.7280, 20.2610



71.3950, 89.4845, 31.9226



19.0970, 20.1622, 19.0295



30.4399, 28.8911, 3.9722



3.0572, 2.9998, 0.4179



# Inverse Universe

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



38.6465, 36.4979, 99.6153



32.1157, 28.4454, 98.4056



37.3318, 27.4919, 97.9463



17.4256, 18.2227, 22.8489



10.7804, 6.4704, 50.1153



1.1381, 0.8068, 4.9090



# Previews

## White Background



This preview shows how the XYZ color 69.5657, 72.2908, 28.6994 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 69.5657, 72.2908, 28.6994 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 69.5657, 72.2908, 28.6994**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.5657, 72.2908, 28.6994.



This preview shows how white text looks on a background with the XYZ color 69.5657, 72.2908,



# 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

69.5657, 72.2908, 28.6994

### Protanopia

66.4567, 72.2228, 29.5065

### Deuteranopia

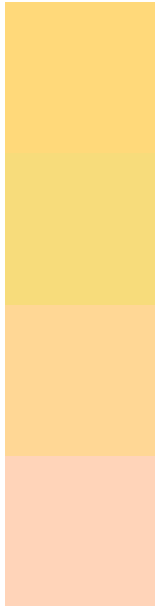
71.9874, 72.0335, 45.2317



## Tritanopia

77.0916, 72.0814, 78.2565

# Trichromacy



## Original Color

69.5657, 72.2908, 28.6994

## Protanomaly

67.5261, 72.3906, 29.1527

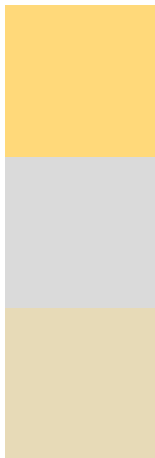
## Deuteranomaly

70.9653, 72.0308, 38.5968

## Tritanomaly

73.5404, 71.8497, 55.8913

# Monochromacy



## Original Color

69.5657, 72.2908, 28.6994

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.5736, 70.5506, 54.9086

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.5657, 72.2908, 28.6994 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, 217, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 122)  
}
```

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, 217, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 69.5657, 72.2908, 28.6994 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, 217, 122) }
```



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

```
.border{ border-color:rgb(255, 217, 122) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.5657, 72.2908, 28.6994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 122) }
```

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

```
.background{ background-color: rgb(255,  
217, 122) }
```

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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