

# Converting Colors

XYZ(73.5294, 74.3486, 26.9380)

Have a look what the booklet for  
XYZ(73.5294, 74.3486, 26.9380)  
contains.

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# **Color**

**XYZ(69.2052, 72.1467,  
26.8012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD974
RGB	255, 217, 116
RGB Percent	100%, 85%, 45%
CMY	0.0000, 0.1490, 0.5451
CMYK	0.00, 0.15, 0.55, 0.00
HSL	44°, 100%, 73%
HSV	44°, 55%, 100%
XYZ	69.2052, 72.1467, 26.8012
YIQ	216.8480, 55.0690, -23.3550

# Conversions

## Conversions Part 2

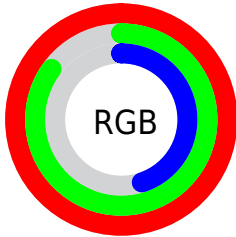
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 255, 116
Decimal	16767348
CIELab	88.04, 1.37, 54.04
CIELCh	88, 54.054, 88.544
Yxy	72.1467, 0.4116, 0.4291
Android (android.graphics.Color)	4294957428 (0xFFFFD974)
YUV	216.8480, -49.7181, 33.4593
Hunter-Lab	84.9392, -3.2087, 40.7494

# Details

The XYZ color **69.2052, 72.1467, 26.8012** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.8076, 34.0428, 99.2381**, and the grayscale version is **66.1542, 69.5994, 75.7937**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **36.6107, 37.9466, 10.2453** is the 20% darker color. If you saturate the color by 10%, you get **66.1624, 68.1180, 19.4464**, and if you desaturate by 10%, it is **72.7344, 76.4968, 36.3278**.

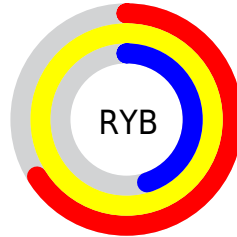
# Distribution



Red (100%)

Green (85%)

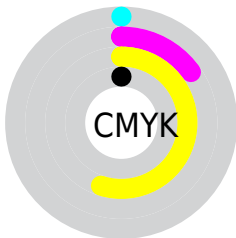
Blue (45%)



Red (66%)

Yellow (100%)

Blue (45%)

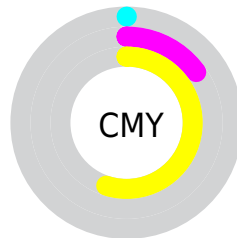


Cyan (0%)

Magenta (15%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2052, 72.1467, 26.8012 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 69.2052, 72.1467, 26.8012 by changing the saturation by 10% instead.



69.2052, 72.1467,  
26.8012

69.2052, 72.1467,  
26.8012

447.0644,  
468.0520, 300.4229

51.1561, 53.2785,  
17.1929

117.1071,  
122.2651, 55.5645

36.5544, 38.0252,  
10.2087

147.6906,  
154.2841, 75.5566

25.0348, 26.0022,  
5.4301

183.1829,  
191.4554, 99.8470

16.2318, 16.8253,  
2.4387

223.9494,  
234.1636, 128.8543

9.7802, 10.1100,  
0.8074

270.3554,  
282.7930, 162.9970

5.3146, 5.4720,  
0.0000

322.7664,

2.4697, 2.5268,

337.7279, 202.6937

0.0000

381.5476,  
399.3528, 248.3628

■ 0.8800, 0.8900,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.2052, 72.1467,  
26.8012

■ 69.2052, 72.1467,  
26.8012

■ 66.1624, 68.1180,  
19.4464

■ 72.7344, 76.4968,  
36.3278

■ 63.5657, 64.3850,  
14.0788

■ 76.7761, 81.1721,  
48.1818

■ 61.3761, 60.9333,  
10.4899

■ 81.3603, 86.1886,  
62.5096

■ 59.5439, 57.7414,  
8.4225

■ 86.5132, 91.5583,  
79.4443

■ 58.6514, 56.0832,  
7.7339

■ 92.2589, 97.2923,  
99.1092

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



82.3442, 72.1467, 32.2139



69.2052, 72.1467, 26.8012



57.3939, 72.1467, 31.2283

# Triad

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



69.2052, 72.1467, 26.8012



49.0157, 72.1467, 117.6102



91.9754, 72.1467, 121.7476

# Complementary

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



69.2052, 72.1467, 26.8012



36.8076, 34.0428, 99.2381

# 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.



81.1176, 72.1467, 158.9103



69.2052, 72.1467, 26.8012



56.4302, 72.1467, 156.0418

# Square

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



69.2052, 72.1467, 26.8012



46.6516, 72.1467, 76.7650



67.9452, 72.1467, 173.0821



96.4689, 72.1467, 80.3736

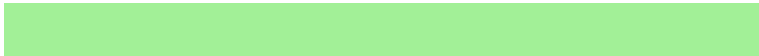


# Rectangle

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



69.2052, 72.1467, 26.8012



51.6173, 72.1467, 40.2958



67.9452, 72.1467, 173.0821



88.8870, 72.1467, 135.5744

# Sweetspot

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



69.2069, 72.1501, 26.8026



85.7081, 90.7352, 76.7487



53.4343, 36.1308, 35.3379



18.1117, 19.1805, 15.6521



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.



69.2069, 72.1501, 26.8026



66.0250, 67.9281, 19.1379



69.9273, 88.7694, 29.9725



19.1167, 20.2016, 19.0361



30.7778, 29.5668, 4.0848



3.0879, 3.0611, 0.4281



# Inverse Universe

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



36.8076, 34.0428, 99.2381



30.7959, 26.5603, 98.1113



36.1708, 25.8333, 97.6871



17.4070, 18.1856, 22.8427



10.6718, 6.2532, 50.0791



1.1254, 0.7815, 4.9048



# Previews

## White Background



This preview shows how the XYZ color 69.2052, 72.1467, 26.8012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

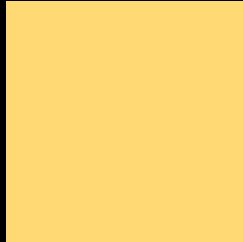
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2052, 72.1467, 26.8012 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 69.2052, 72.1467, 26.8012

## Background



This preview shows how black text looks on a background with the XYZ color 69.2052, 72.1467, 26.8012.



This preview shows how white text looks on a background with the XYZ color 69.2052, 72.1467,



# 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

69.2052, 72.1467, 26.8012

### Protanopia

66.3756, 72.2304, 27.2731

### Deuteranopia

71.8082, 71.9618, 44.2877



## Tritanopia

77.0916, 72.0814, 78.2565

# Trichromacy



## Original Color

69.2052, 72.1467, 26.8012

## Protanomaly

67.5155, 72.4272, 27.2510

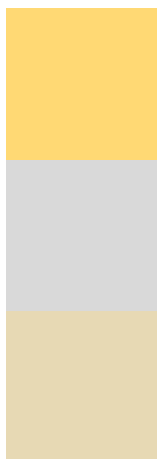
## Deuteranomaly

70.6513, 71.9052, 36.9434

## Tritanomaly

73.3307, 71.7659, 54.7870

# Monochromacy



## Original Color

69.2052, 72.1467, 26.8012

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.0061, 69.9099, 53.1951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2052, 72.1467, 26.8012 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2052, 72.1467, 26.8012 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, 116) }
```



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

```
.border{ border-color:rgb(255, 217, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2052, 72.1467, 26.8012 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
217, 116) }
```

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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