

# Converting Colors

XYZ(82.6582, 76.0826, 46.3758)

Have a look what the booklet for  
XYZ(82.6582, 76.0826, 46.3758)  
contains.

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# Color

**XYZ(71.1695, 70.1064,  
45.8572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2A6
RGB	255, 210, 166
RGB Percent	100%, 82%, 65%
CMY	0.0000, 0.1764, 0.3490
CMYK	0.00, 0.18, 0.35, 0.00
HSL	30°, 100%, 83%
HSV	30°, 35%, 100%
XYZ	71.1695, 70.1064, 45.8572
YIQ	218.4390, 40.9440, -4.1440

# Conversions

## Conversions Part 2

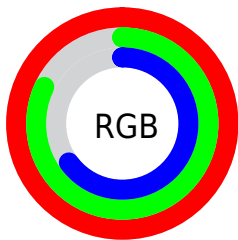
Format	Color
R <sub>Y</sub> B	255, 253, 166
Decimal	16765606
CIE Lab	87.05, 9.86, 27.76
CIE LCh	87, 29.454, 70.448
Yxy	70.1064, 0.3803, 0.3746
Android (android.graphics.Color)	4294955686 (0xFFFFD2A6)
YUV	218.4390, -25.8524, 32.0640
Hunter-Lab	83.7296, 5.1969, 26.1386

# Details

The XYZ color **71.1695, 70.1064, 45.8572** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.0693, 61.9133, 103.5503**, and the grayscale version is **67.0984, 70.5927, 76.8755**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **37.9517, 36.8622, 21.0344** is the 20% darker color. If you saturate the color by 10%, you get **66.0031, 63.1530, 33.7164**, and if you desaturate by 10%, it is **77.0598, 77.7647, 60.5288**.

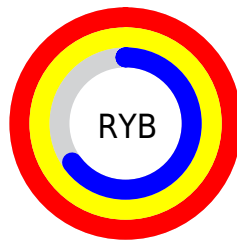
# Distribution



Red (100%)

Green (82%)

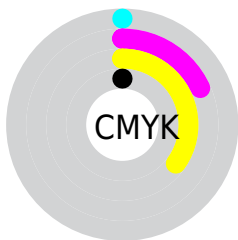
Blue (65%)



Red (100%)

Yellow (99%)

Blue (65%)

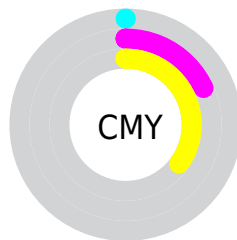


Cyan (0%)

Magenta (18%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1695, 70.1064, 45.8572 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 71.1695, 70.1064, 45.8572 by changing the saturation by 10% instead.




 71.1695, 70.1064,  
45.8572


 71.1695, 70.1064,  
45.8572


453.8484,  
460.9235, 386.4951

 52.7636, 51.6133,  
31.7853


 119.8922,  
119.3605, 85.3373

 37.8408, 36.6969,  
20.9341


 150.9398,  
150.8902, 111.5825

 26.0358, 24.9729,  
12.8851


186.9319,  
187.5343, 142.7226

 16.9832, 16.0569,  
7.2197

228.2339,  
229.6771, 179.1762

 10.3178, 9.5644,  
3.5193

275.2112,  
277.7030, 221.3616

 5.6740, 5.1111,  
1.3655

328.2291,

 2.6867, 2.3126,

331.9965, 269.6976

0.1146

387.6531,  
392.9418, 324.6026

■ 0.9903, 0.7804,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.1695, 70.1064,  
45.8572

■ 71.1695, 70.1064,  
45.8572

■ 66.0031, 63.1530,  
33.7164

■ 77.0598, 77.7647,  
60.5288

■ 61.5215, 56.8717,  
23.9550

■ 83.6996, 86.1398,  
77.8620

■ 57.6900, 51.2410,  
16.4120

■ 91.1198, 95.2556,  
97.9837

■ 54.4675, 46.2343,  
10.9041

■ 95.0500, 100.0000,  
108.9000

■ 51.8074, 41.8221,  
7.2184

■ 49.6533, 37.9703,  
5.0928

■ 48.7116, 36.2032,  
4.4205

# Harmonies

## Analogous

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



77.2393, 70.1064, 54.2589



71.1695, 70.1064, 45.8572



64.2591, 70.1064, 44.7557

# Triad

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



71.1695, 70.1064, 45.8572



54.4297, 70.1064, 83.4271



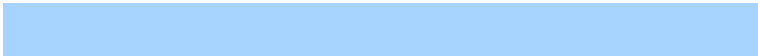
75.6090, 70.1064, 109.0221

# Complementary

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



71.1695, 70.1064, 45.8572



57.0693, 61.9133, 103.5503

# 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.



69.0668, 70.1064, 120.0854



71.1695, 70.1064, 45.8572



57.0469, 70.1064, 103.7066

# Square

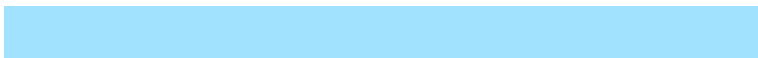
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1695, 70.1064, 45.8572



54.9070, 70.1064, 64.3206



62.2955, 70.1064, 117.9879



79.9222, 70.1064, 89.7571



# Rectangle

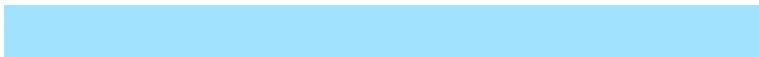
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1695, 70.1064, 45.8572



60.1399, 70.1064, 48.0604



62.2955, 70.1064, 117.9879



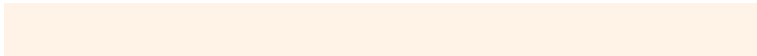
73.5796, 70.1064, 113.9622

# Sweetspot

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



71.1713, 70.1097, 45.8586



87.2372, 90.5139, 87.3683



66.7582, 53.2857, 69.0435



18.4511, 19.1013, 18.1021



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.



71.1713, 70.1097, 45.8586



67.4303, 65.1008, 36.9872



83.4117, 94.5904, 49.9388



18.7512, 19.4705, 18.9142



25.6017, 19.2147, 2.3594

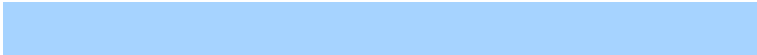


2.6018, 2.0890, 0.2661



# Inverse Universe

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



57.0693, 61.9133, 103.5503



51.3757, 55.7686, 102.6644



47.6840, 43.1427, 100.4218



17.7620, 18.8957, 22.9610



13.6773, 12.2643, 51.0810



1.4410, 1.4127, 5.0100



# Previews

## White Background



This preview shows how the XYZ color 71.1695, 70.1064, 45.8572 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 71.1695, 70.1064, 45.8572 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 71.1695, 70.1064, 45.8572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1695, 70.1064, 45.8572.



This preview shows how white text looks on a background with the XYZ color 71.1695, 70.1064,

45.8572.

# 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

71.1695, 70.1064, 45.8572

### Protanopia

65.9314, 70.3687, 48.1378

### Deuteranopia

71.4480, 70.2178, 47.3238



## Tritanopia

75.8575, 70.0371, 76.5382

# Trichromacy



## Original Color

71.1695, 70.1064, 45.8572

## Protanomaly

67.7375, 70.1662, 47.5094

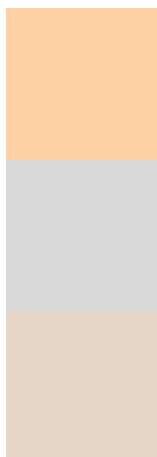
## Deuteranomaly

71.3545, 70.1803, 46.8312

## Tritanomaly

73.9782, 70.0558, 64.2666

# Monochromacy



## Original Color

71.1695, 70.1064, 45.8572

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.5642, 69.7133, 63.9278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1695, 70.1064, 45.8572 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, 210, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 166)  
}
```

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, 210, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1695, 70.1064, 45.8572 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, 210, 166) }
```



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

```
.border{ border-color:rgb(255, 210, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1695, 70.1064, 45.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 166) }
```

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

```
.background{ background-color: rgb(255,  
210, 166) }
```

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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