

# Converting Colors

XYZ(70.7078, 72.0872, 45.7533)

Have a look what the booklet for  
XYZ(70.7078, 72.0872, 45.7533)  
contains.

<b>XYZ(70.7717, 72.1523, 45.7940)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(70.7717, 72.1523,  
45.7940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAD8A5
RGB	250, 216, 165
RGB Percent	98%, 85%, 65%
CMY	0.0196, 0.1529, 0.3529
CMYK	0.00, 0.14, 0.34, 0.02
HSL	36°, 89%, 81%
HSV	36°, 34%, 98%
XYZ	70.7717, 72.1523, 45.7940
YIQ	220.3520, 36.6350, -8.6530

# Conversions

## Conversions Part 2

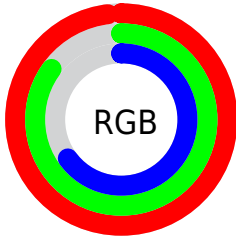
Format	Color
R <sub>Y</sub> B	222, 250, 165
Decimal	16439461
CIE Lab	88.04, 4.73, 29.54
CIE LCh	88, 29.913, 80.901
Yxy	72.1523, 0.3750, 0.3823
Android (android.graphics.Color)	4294629541 (0xFFFAD8A5)
YUV	220.3520, -27.2885, 26.0013
Hunter-Lab	84.9425, 0.0718, 27.4955

# Details

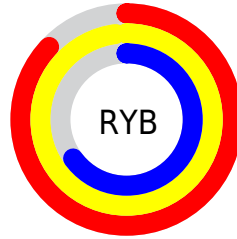
The XYZ color **70.7717, 72.1523, 45.7940** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.1952, 55.7465, 98.3990**, and the grayscale version is **68.4417, 72.0060, 78.4146**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **37.4637, 37.8885, 20.9614** is the 20% darker color. If you saturate the color by 10%, you get **66.2313, 66.3639, 34.1304**, and if you desaturate by 10%, it is **75.9165, 78.4370, 59.8549**.

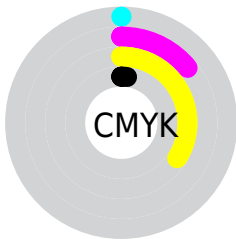
# Distribution



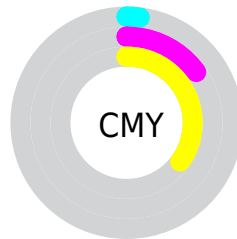
- Red (98%)
- Green (85%)
- Blue (65%)



- Red (87%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (14%)
- Yellow (34%)
- Black (2%)



- Cyan (2%)
- Magenta (15%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7717, 72.1523, 45.7940 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 70.7717, 72.1523, 45.7940 by changing the saturation by 10% instead.





 70.7717, 72.1523,  
45.7940


 70.7717, 72.1523,  
45.7940


452.4792,  
468.0715, 386.2333

 52.4378, 53.2831,  
31.7358


 119.3289,  
122.2730, 85.2416

 37.5798, 38.0288,  
20.8966


 150.2828,  
154.2934, 111.4682

 25.8325, 26.0051,  
12.8580

186.1742,  
191.4662, 142.5879

 16.8304, 16.8274,  
7.2012

227.3683,  
234.1759, 179.0194

 10.2082, 10.1115,  
3.5079

274.2305,  
282.8069, 221.1811

 5.6005, 5.4730,  
1.3595

327.1261,

 2.6421, 2.5273,

337.7436, 269.4916

0.1098

386.4206,  
399.3703, 324.3695

■ 0.9674, 0.8903,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.7717, 72.1523,  
45.7940

■ 70.7717, 72.1523,  
45.7940

■ 66.2313, 66.3639,  
34.1304

■ 75.9165, 78.4370,  
59.8549

■ 62.2611, 61.0460,  
24.7218

■ 81.6867, 85.2231,  
76.4356

■ 58.8312, 56.1847,  
17.4173

■ 88.1090, 92.5278,  
95.6554

■ 55.9064, 51.7613,  
12.0457

■ 93.2344, 99.0640,  
108.8150

■ 53.4462, 47.7549,  
8.4083

■ 51.4017, 44.1408,  
6.2629

■ 50.3333, 42.1419,  
5.4813

# Harmonies

## Analogous

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



77.6022, 72.1523, 51.8384



70.7717, 72.1523, 45.7940



63.7985, 72.1523, 47.2690

# Triad

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



70.7717, 72.1523, 45.7940



56.5410, 72.1523, 93.4331



79.7891, 72.1523, 106.0453

# Complementary

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



70.7717, 72.1523, 45.7940



53.1952, 55.7465, 98.3990

# 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.



73.5917, 72.1523, 121.2931



70.7717, 72.1523, 45.7940



60.2831, 72.1523, 113.1788

# Square

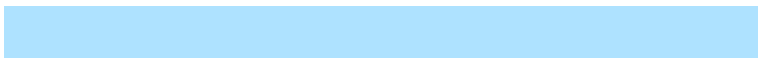
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7717, 72.1523, 45.7940



55.9013, 72.1523, 72.5089



66.4313, 72.1523, 124.1085



83.0408, 72.1523, 84.9420



# Rectangle

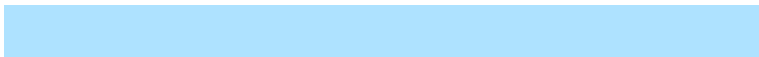
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7717, 72.1523, 45.7940



59.9802, 72.1523, 52.4429



66.4313, 72.1523, 124.1085



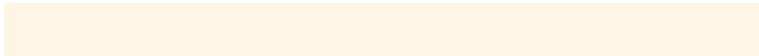
77.9618, 72.1523, 112.1683

# Sweetspot

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



70.7735, 72.1556, 45.7955



88.0452, 92.1300, 87.6377



63.1888, 51.3585, 60.6163



18.6466, 19.4924, 18.1673



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.



70.7735, 72.1556, 45.7955



70.6226, 71.1590, 39.0574



77.4240, 89.8768, 48.8655



18.1110, 18.9578, 18.1671



26.8430, 22.6426, 2.9557



2.5898, 2.3045, 0.3083



# Inverse Universe

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



53.1952, 55.7465, 98.3990



49.6181, 51.5618, 101.9450



48.0555, 42.7546, 96.1622



16.8527, 17.7823, 21.9294



11.7007, 8.7570, 49.0471



1.1842, 1.0121, 4.5761



# Previews

## White Background



This preview shows how the XYZ color 70.7717, 72.1523, 45.7940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

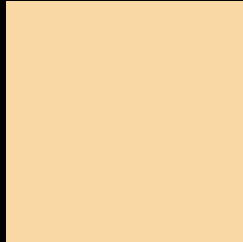
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7717, 72.1523, 45.7940 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 70.7717, 72.1523, 45.7940**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7717, 72.1523, 45.7940.



This preview shows how white text looks on a background with the XYZ color 70.7717, 72.1523,

45.7940.

# 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

70.7717, 72.1523, 45.7940

### Protanopia

67.4236, 72.3358, 46.9678

### Deuteranopia

72.7721, 71.9436, 50.6084



## Tritanopia

77.4950, 72.2427, 80.3808

# Trichromacy



## Original Color

70.7717, 72.1523, 45.7940

## Protanomaly

68.4901, 72.1170, 46.3865

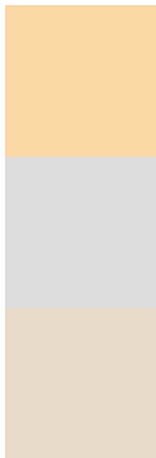
## Deuteranomaly

71.9053, 71.9161, 48.6194

## Tritanomaly

74.8310, 72.2814, 66.5076

# Monochromacy



## Original Color

70.7717, 72.1523, 45.7940

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.7118, 71.8221, 64.8851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7717, 72.1523, 45.7940 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(250, 216, 165)` looks like.

```
.text, #text, p{  
    color:rgb(250, 216, 165)  
}
```

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(250, 216, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 216, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7717, 72.1523, 45.7940 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(250, 216, 165) }
```



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

```
.border{ border-color:rgb(250, 216, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 216, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 216, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 216, 165);  
box-shadow:4px 4px 4px 4px rgb(250, 216,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7717, 72.1523, 45.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 216, 165) }
```

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

```
.background{ background-color: rgb(250,  
216, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor