

# Converting Colors

XYZ(65.9717, 65.9123, 47.0650)

Have a look what the booklet for  
XYZ(65.9717, 65.9123, 47.0650)  
contains.

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# **Color**

**XYZ(65.9450, 65.9221,  
47.2788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CEAA
RGB	242, 206, 170
RGB Percent	95%, 81%, 67%
CMY	0.0510, 0.1921, 0.3333
CMYK	0.00, 0.15, 0.30, 0.05
HSL	30°, 73%, 81%
HSV	30°, 30%, 95%
XYZ	65.9450, 65.9221, 47.2788
YIQ	212.6600, 33.0120, -3.5640

# Conversions

## Conversions Part 2

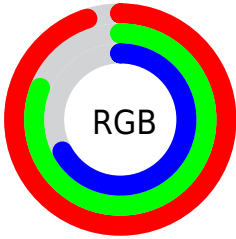
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 242, 170
Decimal	15912618
CIE <sub>Lab</sub>	84.96, 7.48, 22.61
CIE <sub>LCh</sub>	85, 23.820, 71.692
Yxy	65.9221, 0.3681, 0.3680
Android (android.graphics.Color)	4294102698 (0xFFFF2CEAA)
YUV	212.6600, -21.0314, 25.7312
Hunter-Lab	81.1924, 2.8921, 22.3098

# Details

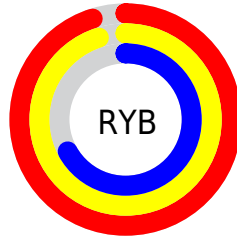
The XYZ color **65.9450, 65.9221, 47.2788** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.6755, 59.0979, 92.5301**, and the grayscale version is **63.1407, 66.4289, 72.3411**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **34.5058, 34.0788, 21.8987** is the 20% darker color. If you saturate the color by 10%, you get **61.0622, 59.4889, 35.3775**, and if you desaturate by 10%, it is **71.4769, 72.9784, 61.4769**.

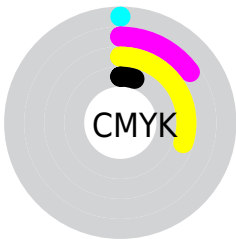
# Distribution



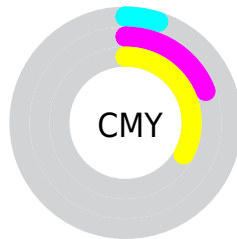
- Red (95%)
- Green (81%)
- Blue (67%)



- Red (95%)
- Yellow (95%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (30%)
- Black (5%)



- Cyan (5%)
- Magenta (19%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9450, 65.9221, 47.2788 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 65.9450, 65.9221, 47.2788 by changing the saturation by 10% instead.




 65.9450, 65.9221,  
47.2788

 65.9450, 65.9221,  
47.2788


435.6719,  
446.0982, 392.3522

 48.4953, 48.2092,  
32.9002


 112.4656,  
113.3745, 87.4840

 34.4322, 33.9926,  
21.7795


142.2671,  
143.8828, 114.1476

 23.3903, 22.8879,  
13.4982


176.9167,  
179.4250, 145.7433

 15.0042, 14.5107,  
7.6378

216.7796,  
220.3855, 182.6897

 8.9087, 8.4767,  
3.7796

262.2212,  
267.1486, 225.4052

 4.7383, 4.4015,  
1.5052

313.6069,

 2.1277, 1.9006,

320.0989, 274.3085

0.2218

371.3020,  
379.6206, 329.8179

■ 0.7042, 0.5487,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.9450, 65.9221,  
47.2788

■ 65.9450, 65.9221,  
47.2788

■ 61.0622, 59.4889,  
35.3775

■ 71.4769, 72.9784,  
61.4769

■ 56.7952, 53.6504,  
25.6454

■ 77.6789, 80.6669,  
78.0819

■ 53.1151, 48.3890,  
17.9482

■ 84.5776, 89.0081,  
97.2017

■ 49.9882, 43.6827,  
12.1354

■ 90.2369, 97.2348,  
108.6200

■ 47.3766, 39.5073,  
8.0346

■ 90.4281, 97.6173,  
108.6837

■ 45.2360, 35.8357,  
5.4413

■ 43.4974, 32.6306,  
4.0230

■ 43.4575, 32.5560,  
3.9935

# Harmonies

## Analogous

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



70.6587, 65.9221, 53.9078



65.9450, 65.9221, 47.2788



60.5948, 65.9221, 46.6156

# Triad

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



65.9450, 65.9221, 47.2788



53.1115, 65.9221, 77.9169



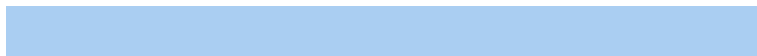
69.7530, 65.9221, 96.1079

# Complementary

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



65.9450, 65.9221, 47.2788



54.6755, 59.0979, 92.5301

# 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.



64.7654, 65.9221, 104.6744



65.9450, 65.9221, 47.2788



55.2834, 65.9221, 93.2162

# Square

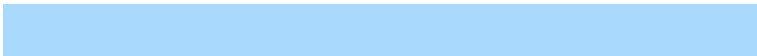
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.9450, 65.9221, 47.2788



53.3873, 65.9221, 62.9136



59.4801, 65.9221, 103.5466



72.9420, 65.9221, 81.4381



# Rectangle

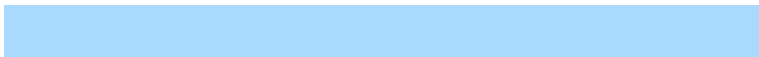
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9450, 65.9221, 47.2788



57.4053, 65.9221, 49.5104



59.4801, 65.9221, 103.5466



68.2195, 65.9221, 99.8848

# Sweetspot

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



65.9467, 65.9251, 47.2802



88.0210, 91.5058, 89.4044



62.1339, 52.0837, 65.1716



18.6099, 19.3042, 18.5086



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.



65.9467, 65.9251, 47.2802



70.6953, 69.5645, 44.4456



75.6263, 85.2842, 50.5067



16.4259, 17.0649, 16.5778



23.4824, 17.7628, 2.1909



2.0530, 1.6767, 0.2154



# Inverse Universe

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



54.6755, 59.0979, 92.5301



56.0188, 60.6747, 103.3666



46.9801, 43.7072, 89.9650



15.5502, 16.5344, 20.0935



12.4186, 11.0615, 46.6084

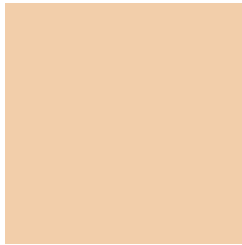


1.1326, 1.1192, 3.9105



# Previews

## White Background



This preview shows how the XYZ color 65.9450, 65.9221, 47.2788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

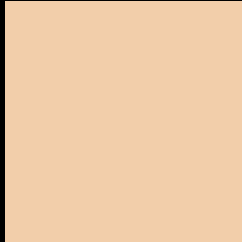
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9450, 65.9221, 47.2788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

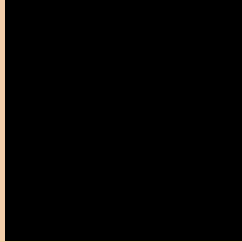
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.9450, 65.9221, 47.2788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9450, 65.9221, 47.2788.



This preview shows how white text looks on a background with the XYZ color 65.9450, 65.9221,

47.2788.

# 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

65.9450, 65.9221, 47.2788

### Protanopia

62.1376, 66.1116, 49.0210

### Deuteranopia

67.2063, 65.8622, 47.2007



## Tritanopia

71.2778, 65.9890, 73.2704

# Trichromacy



## Original Color

65.9450, 65.9221, 47.2788

## Protanomaly

63.4480, 66.0607, 48.4366

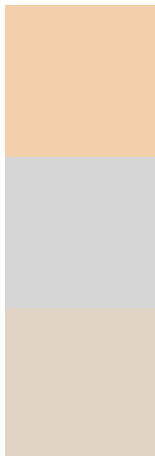
## Deuteranomaly

66.7432, 65.9774, 47.2474

## Tritanomaly

69.0855, 65.7771, 63.0879

# Monochromacy



## Original Color

65.9450, 65.9221, 47.2788

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.8651, 65.9717, 62.1911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9450, 65.9221, 47.2788 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(242, 206, 170)` looks like.

```
.text, #text, p{  
    color:rgb(242, 206, 170)  
}
```

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(242, 206, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 206, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9450, 65.9221, 47.2788 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(242, 206, 170) }
```



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

```
.border{ border-color:rgb(242, 206, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 206, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 206, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 206, 170);  
box-shadow:4px 4px 4px 4px rgb(242, 206,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9450, 65.9221, 47.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 206, 170) }
```

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

```
.background{ background-color: rgb(242,  
206, 170) }
```

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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