

# Converting Colors

XYZ(47.1173, 55.2949, 35.2132)

Have a look what the booklet for  
XYZ(47.1173, 55.2949, 35.2132)  
contains.

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# Color

**XYZ(47.2833, 55.4786,  
35.4105)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCCB92
RGB	188, 203, 146
RGB Percent	74%, 80%, 57%
CMY	0.2627, 0.2039, 0.4274
CMYK	0.07, 0.00, 0.28, 0.20
HSL	76°, 35%, 68%
HSV	76°, 28%, 80%
XYZ	47.2833, 55.4786, 35.4105
YIQ	192.0170, 9.3570, -20.9070

# Conversions

## Conversions Part 2

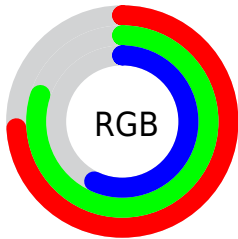
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 203, 161
Decimal	12372882
CIELab	79.32, -14.66, 26.80
CIELCh	79, 30.551, 118.687
Yxy	55.4786, 0.3422, 0.4015
Android (android.graphics.Color)	4290562962 (0xFFBCCB92)
YUV	192.0170, -22.6864, -3.5229
Hunter-Lab	74.4840, -17.0330, 23.9516

# Details

The XYZ color **47.2833, 55.4786, 35.4105** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.7586, 32.4482, 60.8815**, and the grayscale version is **50.2386, 52.8549, 57.5590**.

A 20% lighter version of the original color is **83.8415, 95.1026, 68.5813**, and **22.6445, 27.3894, 14.9197** is the 20% darker color. If you saturate the color by 10%, you get **44.5507, 54.2382, 27.7588**, and if you desaturate by 10%, it is **50.3480, 56.8613, 44.5438**.

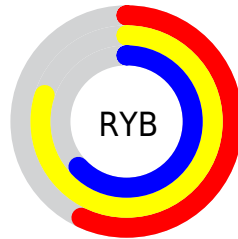
# Distribution



Red (74%)

Green (80%)

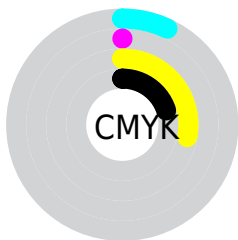
Blue (57%)



Red (57%)

Yellow (80%)

Blue (63%)

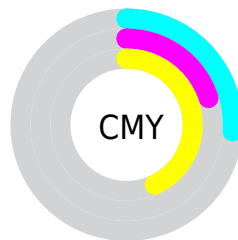


Cyan (7%)

Magenta (0%)

Yellow (28%)

Black (20%)



Cyan (26%)

Magenta (20%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2833, 55.4786, 35.4105 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 47.2833, 55.4786, 35.4105 by changing the saturation by 10% instead.



■ 47.2833, 55.4786,  
35.4105

■ 47.2833, 55.4786,  
35.4105

366.5743,  
407.7236, 341.3357

■ 33.4686, 39.7850,  
23.6932

■ 85.3525, 98.2418,  
69.2800

■ 22.6466, 27.3710,  
14.8961

■ 110.3377,  
126.0803, 92.2692

■ 14.4520, 17.8520,  
8.6007

139.7771,  
158.7358, 119.8528

■ 8.5195, 10.8438,  
4.3884

174.0360,  
196.5928, 152.4494

■ 4.4837, 5.9619,  
1.8408

213.4798,  
240.0357, 190.4774

■ 1.9793, 2.8219,  
0.4546

258.4739,

■ 0.6223, 1.0395,

289.4489, 234.3555

0.0000

309.3836,  
345.2167, 284.5020

■ 0.0000, 0.0000,  
0.0000

■ 47.2833, 55.4786,  
35.4105

■ 47.2833, 55.4786,  
35.4105

■ 44.5507, 54.2382,  
27.7588

■ 50.3480, 56.8613,  
44.5438

■ 42.1305, 53.1264,  
21.5068

■ 53.7547, 58.3845,  
55.2274

■ 40.0074, 52.1389,  
16.5705

■ 57.5182, 60.0563,  
67.5301

■ 38.1629, 51.2684,  
12.8551

■ 61.6511, 61.8816,  
81.5157

■ 36.5761, 50.5063,  
10.2533

■ 66.1653, 63.8653,  
97.2444

■ 35.2225, 49.8428,  
8.6393

■ 68.9411, 65.1596,  
103.5512

■ 34.0660, 49.2634,  
7.8253

■ 70.5851, 66.0071,  
103.6281

■ 33.8556, 49.1575,  
7.7040

■ 72.2812, 66.8815,  
103.7075

■ 74.0300, 67.7830,  
103.7894

# Harmonies

## Analogous

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



53.0008, 55.4786, 32.5983



47.2833, 55.4786, 35.4105



43.3059, 55.4786, 44.5351

# Triad

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



47.2833, 55.4786, 35.4105



46.8504, 55.4786, 94.0019



65.3868, 55.4786, 61.1822

# Complementary

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



47.2833, 55.4786, 35.4105



35.7586, 32.4482, 60.8815

# 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.



63.4325, 55.4786, 79.6617



47.2833, 55.4786, 35.4105



52.4616, 55.4786, 100.7344

# Square

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



47.2833, 55.4786, 35.4105



43.0699, 55.4786, 78.0642



58.5813, 55.4786, 95.0426



63.7380, 55.4786, 45.6355



# Rectangle

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



47.2833, 55.4786, 35.4105



42.0167, 55.4786, 54.0359



58.5813, 55.4786, 95.0426



65.1269, 55.4786, 67.2596

# Sweetspot

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



47.2847, 55.4811, 35.4117



89.9896, 97.7508, 92.4194



42.4331, 40.0019, 32.6796



19.0672, 20.8361, 19.1611



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

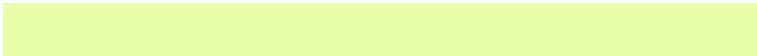


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.2847, 55.4811, 35.4117



76.1925, 91.5440, 50.8465



41.0934, 52.2893, 35.1219



11.8545, 12.9424, 11.9528



21.6339, 31.3280, 4.9067



1.1850, 1.6517, 0.2564



# Inverse Universe

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



35.7586, 32.4482, 60.8815



53.6245, 46.4283, 100.7430



41.9846, 35.6578, 61.1729



10.8741, 10.9844, 14.1174



7.8829, 3.2713, 36.1722



0.4799, 0.2065, 1.8695



# Previews

## White Background



This preview shows how the XYZ color 47.2833, 55.4786, 35.4105 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 47.2833, 55.4786, 35.4105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

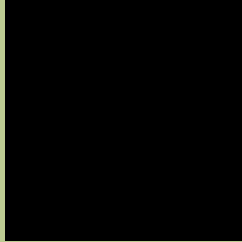
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

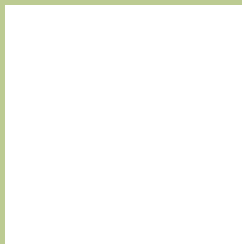
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.2833, 55.4786, 35.4105**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2833, 55.4786, 35.4105.



This preview shows how white text looks on a background with the XYZ color 47.2833, 55.4786,



# 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

47.2833, 55.4786, 35.4105

### Protanopia

51.5618, 55.3119, 33.9453

### Deuteranopia

56.3630, 55.1253, 36.1034



## Tritanopia

54.1739, 55.5537, 68.8404

# Trichromacy



## Original Color

47.2833, 55.4786, 35.4105

## Protanomaly

50.0861, 55.5570, 34.4693

## Deuteranomaly

52.4396, 54.7251, 35.8161

## Tritanomaly

51.4119, 55.4454, 55.0060

# Monochromacy



## Original Color

47.2833, 55.4786, 35.4105

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

48.9636, 53.6514, 48.3325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2833, 55.4786, 35.4105 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(188, 203, 146)` looks like.

```
.text, #text, p{  
    color:rgb(188, 203, 146)  
}
```

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(188, 203, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 203, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2833, 55.4786, 35.4105 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(188, 203, 146) }
```



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

```
.border{ border-color:rgb(188, 203, 146) }
```

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

Here you see how a box with a 4 pixel rgb(188, 203, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 203, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 203, 146);  
box-shadow:4px 4px 4px 4px rgb(188, 203,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2833, 55.4786, 35.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 203, 146) }
```

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

```
.background{ background-color: rgb(188,  
203, 146) }
```

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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