

# Converting Colors

XYZ(56.1666, 65.6177, 47.8102)

Have a look what the booklet for  
XYZ(56.1666, 65.6177, 47.8102)  
contains.

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# Color

**XYZ(56.1404, 65.7074,  
47.7541)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7DBAA
RGB	199, 219, 170
RGB Percent	78%, 86%, 67%
CMY	0.2196, 0.1412, 0.3333
CMYK	0.09, 0.00, 0.22, 0.14
HSL	84°, 41%, 76%
HSV	84°, 22%, 86%
XYZ	56.1404, 65.7074, 47.7541
YIQ	207.4340, 3.8090, -19.4790

# Conversions

## Conversions Part 2

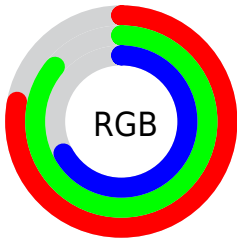
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 219, 190
Decimal	13097898
CIELab	84.85, -15.17, 21.92
CIELCh	85, 26.656, 124.684
Yxy	65.7074, 0.3310, 0.3874
Android (android.graphics.Color)	4291287978 (0xFFC7DBAA)
YUV	207.4340, -18.4550, -7.3966
Hunter-Lab	81.0601, -18.2301, 21.8132

# Details

The XYZ color **56.1404, 65.7074, 47.7541** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.3987, 44.8129, 73.1202**, and the grayscale version is **59.7033, 62.8125, 68.4028**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **28.2225, 33.8787, 22.1913** is the 20% darker color. If you saturate the color by 10%, you get **51.9365, 63.7620, 37.6290**, and if you desaturate by 10%, it is **60.8323, 67.8685, 59.7062**.

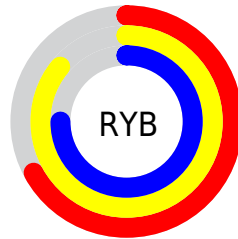
# Distribution



Red (78%)

Green (86%)

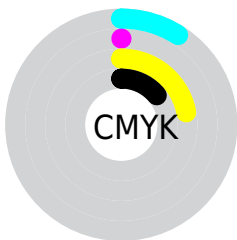
Blue (67%)



Red (67%)

Yellow (86%)

Blue (75%)

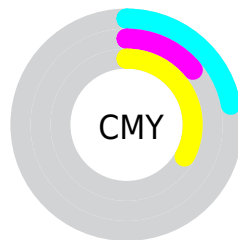


Cyan (9%)

Magenta (0%)

Yellow (22%)

Black (14%)



Cyan (22%)

Magenta (14%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1404, 65.7074, 47.7541 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 56.1404, 65.7074, 47.7541 by changing the saturation by 10% instead.



■ 56.1404, 65.7074,  
47.7541

■ 56.1404, 65.7074,  
47.7541

400.2868,  
445.3297, 394.2972

■ 40.5529, 48.0349,  
33.2736

■ 98.3484, 113.0663,  
88.1999

■ 28.1561, 33.8545,  
22.0633

125.6997,  
143.5214, 115.0023

■ 18.5844, 22.7819,  
13.7046

157.7030,  
179.0063, 146.7490

■ 11.4726, 14.4325,  
7.7791

194.7237,  
219.9052, 183.8587

■ 6.4553, 8.4221,  
3.8682

237.1270,  
266.6027, 226.7498

■ 3.1671, 4.3662,  
1.5533

285.2784,

■ 1.2427, 1.8805,

319.4830, 275.8409

0.2572

339.5433,  
378.9305, 331.5505

■ 0.1397, 0.5366,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.1404, 65.7074,  
47.7541

■ 56.1404, 65.7074,  
47.7541

■ 51.9365, 63.7620,  
37.6290

■ 60.8323, 67.8685,  
59.7062

■ 48.1959, 62.0155,  
29.2367

■ 66.0253, 70.2442,  
73.5651

■ 44.8996, 60.4623,  
22.4808

■ 71.7383, 72.8446,  
89.4106

■ 42.0244, 59.0928,  
17.2538

■ 77.5653, 75.5074,  
105.0940

■ 39.5451, 57.8967,  
13.4354

■ 80.5879, 77.0656,  
105.2355

■ 37.4328, 56.8619,  
10.8873

■ 83.7610, 78.7014,  
105.3839

■ 35.6531, 55.9746,  
9.4431

■ 84.6228, 79.1457,  
105.4243

■ 34.4778, 55.3801,  
8.8723

# Harmonies

## Analogous

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



61.5194, 65.7074, 43.5050



56.1404, 65.7074, 47.7541



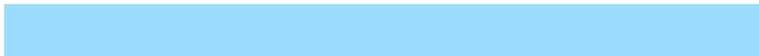
52.6320, 65.7074, 58.3759

# Triad

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



56.1404, 65.7074, 47.7541



57.6676, 65.7074, 105.6014



74.6181, 65.7074, 68.8908

# Complementary

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



56.1404, 65.7074, 47.7541



48.3987, 44.8129, 73.1202

# 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.



73.4253, 65.7074, 86.5573



56.1404, 65.7074, 47.7541



63.3958, 65.7074, 109.6053

# Square

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



56.1404, 65.7074, 47.7541



53.4735, 65.7074, 91.9495



69.2217, 65.7074, 102.1564



72.3851, 65.7074, 54.4058



# Rectangle

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



56.1404, 65.7074, 47.7541



51.6972, 65.7074, 68.5386



69.2217, 65.7074, 102.1564



74.6056, 65.7074, 74.6364

# Sweetspot

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



56.1421, 65.7103, 47.7555



89.6778, 97.5473, 94.3377



54.7985, 54.6185, 45.6854



19.0992, 20.8354, 19.9373



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

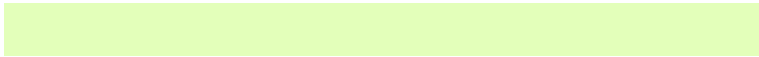


# Same Dimension

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



56.1421, 65.7103, 47.7555



76.2839, 91.3852, 60.1565



50.2460, 62.6707, 47.4796



13.6215, 14.9851, 13.9001



20.5697, 32.9016, 5.2665



1.4294, 2.1814, 0.3457



# Inverse Universe

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



48.3987, 44.8129, 73.1202



63.4470, 56.7358, 102.2148



54.9241, 48.1768, 73.4256



12.8395, 12.8754, 16.4606



10.1645, 4.3642, 40.0450

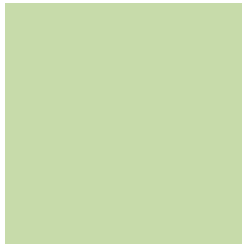


0.7546, 0.3323, 2.5988



# Previews

## White Background



This preview shows how the XYZ color 56.1404, 65.7074, 47.7541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

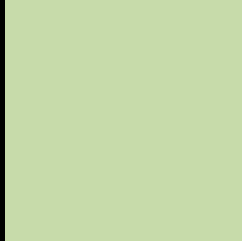
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1404, 65.7074, 47.7541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

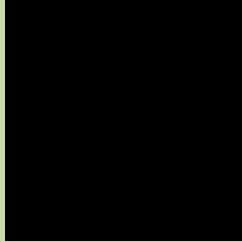
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

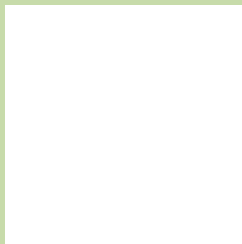
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.1404, 65.7074, 47.7541

## Background



This preview shows how black text looks on a background with the XYZ color 56.1404, 65.7074, 47.7541.



This preview shows how white text looks on a background with the XYZ color 56.1404, 65.7074,



# 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

56.1404, 65.7074, 47.7541

### Protanopia

61.2285, 65.3493, 45.4630

### Deuteranopia

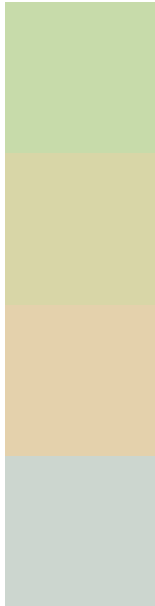
66.5549, 65.1415, 48.6009



## Tritanopia

63.0300, 65.4554, 82.7109

# Trichromacy



## Original Color

56.1404, 65.7074, 47.7541

## Protanomaly

59.3405, 65.4821, 46.0709

## Deuteranomaly

62.2418, 65.0735, 48.3097

## Tritanomaly

60.2109, 65.4355, 68.4883

# Monochromacy



## Original Color

56.1404, 65.7074, 47.7541

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

57.9337, 63.3209, 60.2077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1404, 65.7074, 47.7541 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(199, 219, 170)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 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(199, 219, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1404, 65.7074, 47.7541 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(199, 219, 170) }
```



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

```
.border{ border-color:rgb(199, 219, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 219, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 219, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 219, 170); box-shadow:4px 4px 4px 4px rgb(199, 219, 170) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1404, 65.7074, 47.7541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 170) }
```

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

```
.background{ background-color: rgb(199,  
219, 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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