

# Converting Colors

XYZ(50.6869, 60.9847, 40.5526)

Have a look what the booklet for  
XYZ(50.6869, 60.9847, 40.5526)  
contains.

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# Color

**XYZ(50.7864, 61.1848,  
40.5856)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCD69C
RGB	188, 214, 156
RGB Percent	74%, 84%, 61%
CMY	0.2627, 0.1608, 0.3882
CMYK	0.12, 0.00, 0.27, 0.16
HSL	87°, 41%, 73%
HSV	87°, 27%, 84%
XYZ	50.7864, 61.1848, 40.5856
YIQ	199.6140, 3.1220, -23.5500

# Conversions

## Conversions Part 2

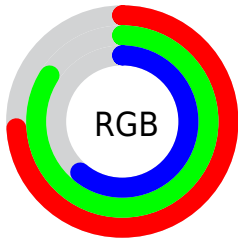
Format	Color
<a href="#">RYB</a>	<a href="#">156, 214, 182</a>
Decimal	<a href="#">12375708</a>
CIELab	<a href="#">82.48, -18.74, 25.85</a>
CIElCh	<a href="#">82, 31.933, 125.938</a>
Yxy	<a href="#">61.1848, 0.3329, 0.4011</a>
Android (android.graphics.Color)	<a href="#">4290565788 (0xFFBCD69C)</a>
YUV	<a href="#">199.6140, -21.5017, -10.1855</a>
Hunter-Lab	<a href="#">78.2207, -20.9915, 23.9913</a>

# Details

The XYZ color **50.7864, 61.1848, 40.5856** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.3199, 38.5787, 68.7849**, and the grayscale version is **54.7904, 57.6437, 62.7740**.

A 20% lighter version of the original color is **85.1741, 95.6356, 75.5984**, and **24.7283, 30.8641, 17.7507** is the 20% darker color. If you saturate the color by 10%, you get **46.8465, 59.3468, 31.7608**, and if you desaturate by 10%, it is **55.2059, 63.2369, 51.1019**.

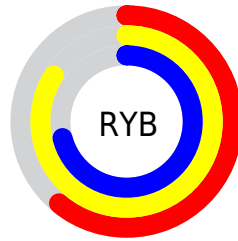
# Distribution



Red (74%)

Green (84%)

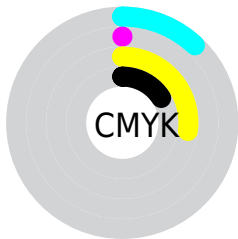
Blue (61%)



Red (61%)

Yellow (84%)

Blue (71%)

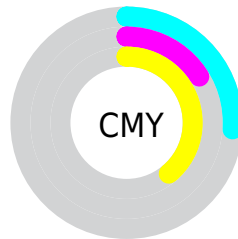


Cyan (12%)

Magenta (0%)

Yellow (27%)

Black (16%)



Cyan (26%)

Magenta (16%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7864, 61.1848, 40.5856 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 50.7864, 61.1848, 40.5856 by changing the saturation by 10% instead.





 50.7864, 61.1848,  
40.5856


 50.7864, 61.1848,  
40.5856


380.1347,  
428.9513, 364.2109

 36.2590, 44.3743,  
27.6782


 90.5238, 106.5465,  
77.3012

 24.8053, 30.9649,  
17.8463


 116.4646,  
135.8664, 101.9465

 16.0600, 20.5721,  
10.6714


146.9405,  
170.1251, 131.3415

 9.6578, 12.8116,  
5.7349

182.3169,  
209.7067, 165.9047

 5.2332, 7.2989,  
2.6184

222.9591,  
254.9957, 206.0548

 2.4209, 3.6498,  
0.9019

269.2326,

 0.8555, 1.4796,

306.3766, 252.2101

0.0000

321.5027,  
364.2336, 304.7893

■ 0.0000, 0.2743,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.7864, 61.1848,  
40.5856

■ 50.7864, 61.1848,  
40.5856

■ 46.8465, 59.3468,  
31.7608

■ 55.2059, 63.2369,  
51.1019

■ 43.3617, 57.7067,  
24.5353

■ 60.1189, 65.5027,  
63.3877

■ 40.3122, 56.2581,  
18.8138

■ 65.5441, 67.9923,  
77.5208

■ 37.6745, 54.9913,  
14.4895

■ 71.4982, 70.7126,  
93.5734

■ 35.4223, 53.8954,  
11.4416

■ 76.6808, 73.1438,  
104.6844

■ 33.5254, 52.9578,  
9.5285

■ 79.9521, 74.8302,  
104.8375

■ 31.9446, 52.1626,  
8.5627

■ 83.3378, 76.5756,  
104.9959

■ 31.5274, 51.9515,  
8.3660

# Harmonies

## Analogous

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



56.8070, 61.1848, 35.7910



50.7864, 61.1848, 40.5856



46.9745, 61.1848, 52.4395

# Triad

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



50.7864, 61.1848, 40.5856



52.9656, 61.1848, 107.1732



72.2097, 61.1848, 62.8063

# Complementary

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



50.7864, 61.1848, 40.5856



43.3199, 38.5787, 68.7849

# 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.



70.9806, 61.1848, 83.1505



50.7864, 61.1848, 40.5856



59.5227, 61.1848, 111.4359

# Square

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



50.7864, 61.1848, 40.5856



48.1620, 61.1848, 91.2054



66.2025, 61.1848, 101.9224



69.4411, 61.1848, 46.9045



# Rectangle

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



50.7864, 61.1848, 40.5856



46.0205, 61.1848, 63.9927



66.2025, 61.1848, 101.9224



72.2530, 61.1848, 69.3179

# Sweetspot

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



50.7880, 61.1875, 40.5869



88.6526, 97.0615, 92.3569



50.2856, 49.8006, 38.4155



18.7297, 20.6621, 19.1454



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

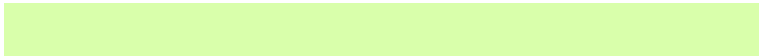


# Same Dimension

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



50.7880, 61.1875, 40.5869



71.7931, 89.2482, 51.8959



44.5197, 57.9561, 40.2936



12.9108, 14.2302, 13.2269



19.1768, 31.4623, 5.0621



1.2513, 1.9465, 0.3098



# Inverse Universe

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



43.3199, 38.5787, 68.7849



58.7594, 49.7828, 101.1198



50.6447, 42.3548, 69.1277



12.2660, 12.2785, 15.6610



10.3645, 4.4956, 38.7746

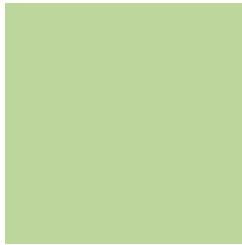


0.7196, 0.3199, 2.3431



# Previews

## White Background



This preview shows how the XYZ color 50.7864, 61.1848, 40.5856 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 50.7864, 61.1848, 40.5856 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 50.7864, 61.1848, 40.5856**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.7864, 61.1848, 40.5856.



This preview shows how white text looks on a background with the XYZ color 50.7864, 61.1848,



# 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

50.7864, 61.1848, 40.5856

### Protanopia

57.0140, 61.1453, 38.5030

### Deuteranopia

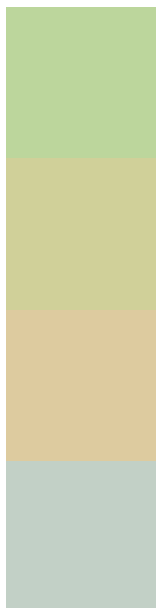
62.2466, 60.9958, 41.7503



## Tritanopia

58.3048, 60.9423, 77.7973

# Trichromacy



## Original Color

50.7864, 61.1848, 40.5856

## Protanomaly

54.3181, 60.8216, 39.0139

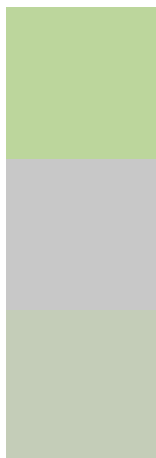
## Deuteranomaly

57.4327, 60.5872, 41.4684

## Tritanomaly

54.9971, 60.6583, 62.2356

# Monochromacy



## Original Color

50.7864, 61.1848, 40.5856

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

53.2480, 58.8591, 53.9019

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7864, 61.1848, 40.5856 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, 214, 156)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 156)  
}
```

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, 214, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7864, 61.1848, 40.5856 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, 214, 156) }
```



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

```
.border{ border-color:rgb(188, 214, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 214, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 156);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7864, 61.1848, 40.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 156) }
```

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

```
.background{ background-color: rgb(188,  
214, 156) }
```

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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