

# Converting Colors

XYZ(56.5046, 59.7911, 48.7876)

Have a look what the booklet for  
XYZ(56.5046, 59.7911, 48.7876)  
contains.

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# Color

**XYZ(56.4365, 59.9140,  
48.6344)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5CBAE
RGB	213, 203, 174
RGB Percent	84%, 80%, 68%
CMY	0.1647, 0.2039, 0.3176
CMYK	0.00, 0.05, 0.18, 0.16
HSL	45°, 32%, 76%
HSV	45°, 18%, 84%
XYZ	56.4365, 59.9140, 48.6344
YIQ	202.6840, 15.2690, -6.8990

# Conversions

## Conversions Part 2

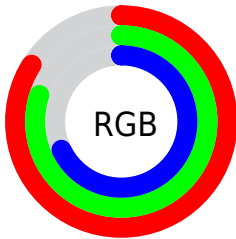
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">187, 213, 174</a>
Decimal	<a href="#">14011310</a>
CIELab	<a href="#">81.79, -1.26, 15.72</a>
CIELCh	<a href="#">82, 15.774, 94.589</a>
Yxy	<a href="#">59.9140, 0.3421, 0.3631</a>
Android (android.graphics.Color)	<a href="#">4292201390</a> ( <a href="#">0xFFD5CBAE</a> )
YUV	<a href="#">202.6840, -14.1412, 9.0471</a>
Hunter-Lab	<a href="#">77.4041, -5.3102, 16.9299</a>

# Details

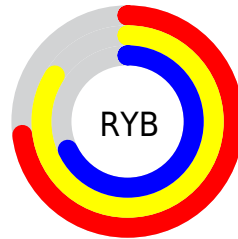
The XYZ color **56.4365, 59.9140, 48.6344** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.6061, 48.0827, 69.7757**, and the grayscale version is **56.6470, 59.5971, 64.9012**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **28.3608, 30.1691, 22.7408** is the 20% darker color. If you saturate the color by 10%, you get **53.2564, 56.6173, 38.1292**, and if you desaturate by 10%, it is **59.9945, 63.4386, 60.8916**.

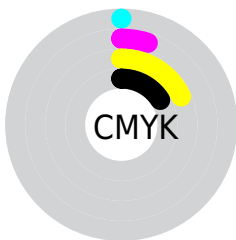
# Distribution



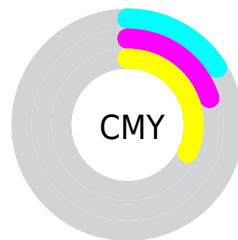
- Red (84%)
- Green (80%)
- Blue (68%)



- Red (73%)
- Yellow (84%)
- Blue (68%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (16%)




- Cyan (16%)
- Magenta (20%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4365, 59.9140, 48.6344 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 56.4365, 59.9140, 48.6344 by changing the saturation by 10% instead.





 56.4365, 59.9140,  
48.6344

 56.4365, 59.9140,  
48.6344


401.3828,  
424.2807, 397.8823

 40.7914, 43.3493,  
33.9660


 98.7786, 104.7049,  
89.5236

 28.3431, 30.1593,  
22.5903


126.2063,  
133.6999, 116.5814

 18.7262, 19.9595,  
14.0889


158.2922,  
167.6072, 148.6062

 11.5754, 12.3656,  
8.0430

195.4018,  
206.8110, 186.0164

 6.5254, 6.9932,  
4.0343

237.9002,  
251.6959, 229.2305

 3.2108, 3.4578,  
1.6442

286.1530,

 1.2662, 1.3752,

302.6462, 278.6672

0.3221

340.5254,  
360.0464, 334.7449

■ 0.1577, 0.1983,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.4365, 59.9140,  
48.6344

■ 56.4365, 59.9140,  
48.6344

■ 53.2564, 56.6173,  
38.1292

■ 59.9945, 63.4386,  
60.8916

■ 50.4335, 53.5333,  
29.2905

■ 63.9406, 67.1898,  
74.9732

■ 47.9522, 50.6572,  
22.0313

■ 68.2905, 71.1765,  
90.9524

■ 45.7938, 47.9806,  
16.2551

■ 72.3733, 75.1312,  
105.2950

■ 43.9374, 45.4944,  
11.8549

■ 73.8714, 78.1276,  
105.7944

■ 42.3596, 43.1885,  
8.7092

■ 75.4172, 81.2192,  
106.3097

■ 41.0327, 41.0510,  
6.6751

■ 77.0110, 84.4068,  
106.8410

■ 39.9158, 39.0648,  
5.5399

■ 78.6533, 87.6913,  
107.3884

■ 39.7375, 38.7398,  
5.3831

■ 80.3444, 91.0736,  
107.9521

# Harmonies

## Analogous

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



59.7341, 59.9140, 50.0562



56.4365, 59.9140, 48.6344



53.3937, 59.9140, 51.2940

# Triad

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



56.4365, 59.9140, 48.6344



51.8438, 59.9140, 76.1920



62.9185, 59.9140, 73.4126

# Complementary

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



56.4365, 59.9140, 48.6344



46.6061, 48.0827, 69.7757

# 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.



60.6534, 59.9140, 81.5001



56.4365, 59.9140, 48.6344



54.2469, 59.9140, 83.2112

# Square

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



56.4365, 59.9140, 48.6344



50.8086, 59.9140, 66.7120



57.4595, 59.9140, 85.2419



63.5598, 59.9140, 63.7822



# Rectangle

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



56.4365, 59.9140, 48.6344



51.8932, 59.9140, 55.1916



57.4595, 59.9140, 85.2419



62.3175, 59.9140, 76.4309

# Sweetspot

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



56.4381, 59.9167, 48.6357



92.0310, 97.1386, 98.1005



51.2710, 47.8965, 52.1110



19.6102, 20.7071, 20.6849



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.



56.4381, 59.9167, 48.6357



82.8806, 88.0657, 66.6021



56.3092, 63.4683, 49.3280



13.1909, 13.9560, 13.1592



24.3593, 23.8357, 3.3169



1.5340, 1.5672, 0.2216



# Inverse Universe

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



46.6061, 48.0827, 69.7757



65.4410, 67.0771, 104.1058



46.6992, 45.1566, 69.2060



11.9988, 12.5209, 15.7219



8.2292, 4.7202, 38.9305



0.5634, 0.4189, 2.3705



# Previews

## White Background



This preview shows how the XYZ color 56.4365, 59.9140, 48.6344 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 56.4365, 59.9140, 48.6344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

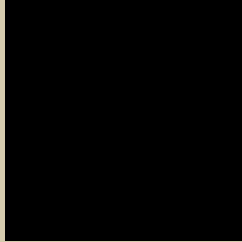
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

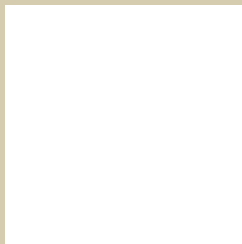
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.4365, 59.9140, 48.6344**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.4365, 59.9140, 48.6344.



This preview shows how white text looks on a background with the XYZ color 56.4365, 59.9140,



# 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

56.4365, 59.9140, 48.6344

### Protanopia

56.7275, 60.0640, 48.6481

### Deuteranopia

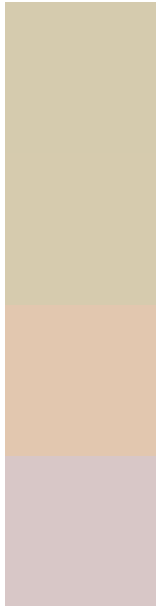
61.0821, 59.8986, 48.8997



## Tritanopia

60.8899, 59.6420, 71.2536

# Trichromacy



## Original Color

56.4365, 59.9140, 48.6344

## Protanomaly

56.7275, 60.0640, 48.6481

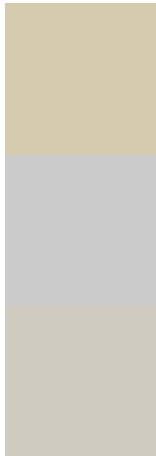
## Deuteranomaly

59.5253, 60.1107, 49.0227

## Tritanomaly

59.0511, 59.5693, 62.4185

# Monochromacy



## Original Color

56.4365, 59.9140, 48.6344

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.6025, 59.7830, 58.4252

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.4365, 59.9140, 48.6344 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(213, 203, 174) looks like.

```
.text, #text, p{  
    color:rgb(213, 203, 174)  
}
```

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(213, 203, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 203, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 56.4365, 59.9140, 48.6344 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(213, 203, 174) }
```



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

```
.border{ border-color:rgb(213, 203, 174) }
```

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

Here you see how a box with a 4 pixel rgb(213, 203, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 203, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 203, 174);  
box-shadow:4px 4px 4px 4px rgb(213, 203,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.4365, 59.9140, 48.6344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 203, 174) }
```

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

```
.background{ background-color: rgb(213,  
203, 174) }
```

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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