

# Converting Colors

CIELCh(56, 19.599, 57.766)

Have a look what the booklet for  
CIELCh(56, 19.599, 57.766) contains.

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# Color

**CIELCh(56, 19.599, 57.766)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A27F6A
RGB	162, 127, 106
RGB Percent	64%, 50%, 42%
CMY	0.3646, 0.5018, 0.5842
CMYK	0.00, 0.22, 0.35, 0.36
HSL	23°, 23%, 53%
HSV	23°, 35%, 64%
XYZ	25.1030, 23.9124, 16.9363
YIQ	135.0710, 27.6010, 0.8890

# Conversions

## Conversions Part 2

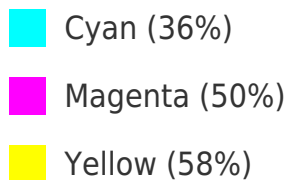
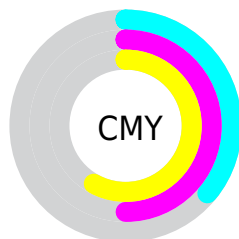
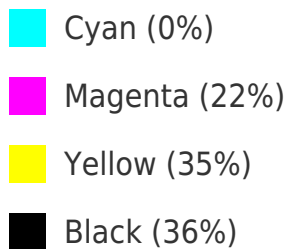
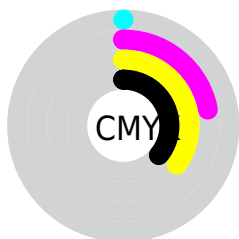
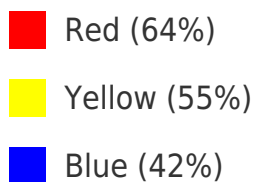
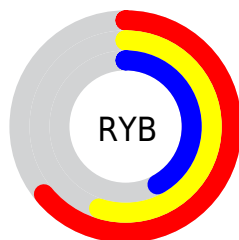
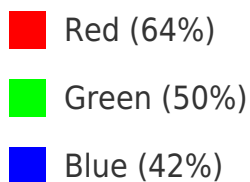
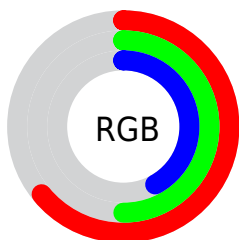
Format	Color
<a href="#">RYB</a>	<a href="#">162, 140, 106</a>
Decimal	<a href="#">10649450</a>
CIELab	<a href="#">56.00, 10.45, 16.58</a>
CIELCh	<a href="#">56, 19.599, 57.766</a>
Yxy	<a href="#">23.9124, 0.3806, 0.3626</a>
Android (android.graphics.Color)	<a href="#">4288839530</a> (0xFFA27F6A)
YUV	<a href="#">135.0710, -14.3320, 23.6167</a>
Hunter-Lab	<a href="#">48.9003, 6.0574, 13.6956</a>

# Details

The CIELCh color  $56, 19.599, 57.766$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $57, 16.526, 245.477$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $76, 19.798, 58.492$ , and  $36, 19.414, 57.536$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 26.139, 56.987$ , and if you desaturate by 10%, it is  $59, 13.466, 58.608$ .

# Distribution



# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 19.599, 57.766 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 CIELCh color 56, 19.599, 57.766 by changing the saturation by 10% instead.



 56, 19.599, 57.766

 56, 19.599, 57.766

 100, 19.599,  
57.766

 46, 19.599, 57.766

 76, 19.599, 57.766

 36, 19.599, 57.766

 86, 19.599, 57.766

 26, 19.599, 57.766

 96, 19.599, 57.766

 16, 19.599, 57.766

 6, 19.599, 57.766

 0, 19.599, 57.766

 56, 19.599, 57.766

 56, 19.599, 57.766

 53, 26.139, 56.987

 59, 13.466, 58.608


 50, 33.079, 56.257

 62, 7.723, 59.472

 48, 40.354, 55.569

 65, 2.341, 60.268


 45, 47.789, 54.861

 68, 2.717, 241.509


 43, 54.986, 53.973


 72, 7.485, 242.345

 41, 61.176, 52.565

 75, 11.997,  
243.247

 40, 64.414, 51.924

 78, 16.284,  
244.144

 81, 20.374,  
245.025

 84, 24.290,  
245.882

# Harmonies

# Complementary

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



56, 19.599, 57.766



57, 16.526, 245.477

# Rectangle

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



56, 19.599, 57.766



56, 19.599, 107.766



56, 19.599, 237.766



56, 19.599, 287.766

# Sweetspot

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



56, 19.599, 57.773



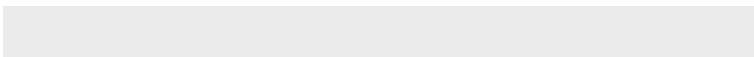
81, 6.499, 59.846



52, 29.695, 339.832



43, 4.489, 59.733



93, 0.011, 296.813



45, 0.006, 296.813



# Same Dimension

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



56, 19.599, 57.773



69, 29.614, 57.200



63, 26.925, 100.399



33, 2.966, 59.922



35, 59.301, 52.279



2, 4.476, 56.488





# Inverse Universe

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



57, 16.526, 245.477



70, 23.952, 246.911



49, 28.544, 288.854



33, 2.852, 241.879



37, 36.375, 267.687



3, 4.597, 247.739



# Previews

## White Background



This preview shows how the CIELCh color 56, 19.599, 57.766 looks on a white background.

## Color Contrast Check

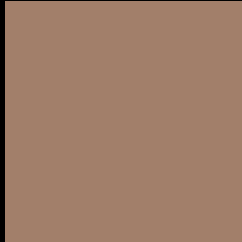
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 56, 19.599, 57.766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

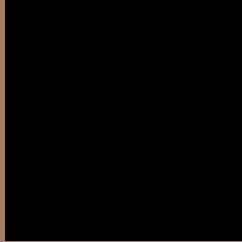
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 56, 19.599, 57.766**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 56, 19.599, 57.766.



This preview shows how white text looks on a background with the CIELCh color 56, 19.599, 57.766.

# 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, 19.599, 57.766

### Protanopia

56, 14.621, 95.029

### Deuteranopia

56, 18.032, 66.275

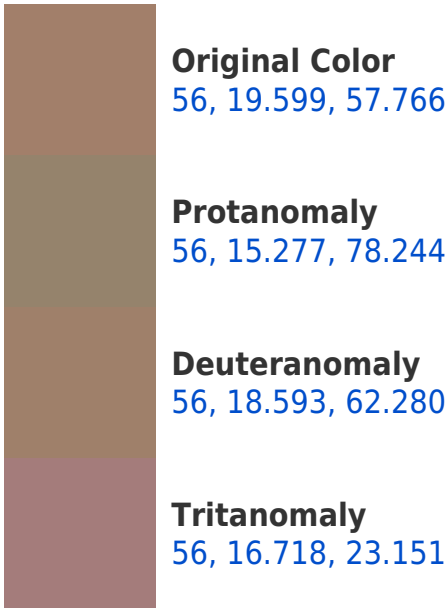


## Tritanopia

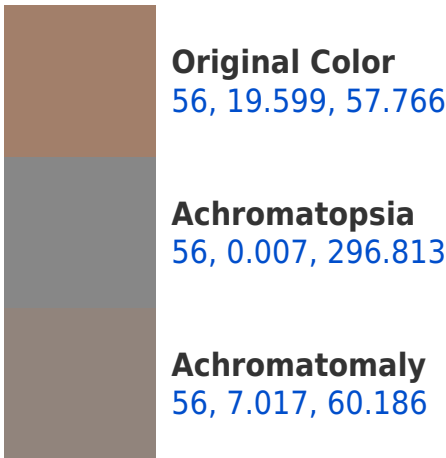
56, 17.921, 3.062



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 19.599, 57.766 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(162, 127, 106)` looks like.

```
.text, #text, p{  
    color:rgb(162, 127, 106)  
}
```

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(162, 127, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 127, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 19.599, 57.766 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(162, 127, 106) }
```

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

```
.border{ border-color:rgb(162, 127, 106) }
```

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

Here you see how a box with a 4 pixel rgb(162, 127, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 127, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 127, 106);  
box-shadow:4px 4px 4px 4px rgb(162, 127,  
106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 19.599, 57.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 127, 106) }
```

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

```
.background{ background-color: rgb(162,  
127, 106) }
```

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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