

# Converting Colors

CIELCh(69, 6.334, 56.765)

Have a look what the booklet for  
CIELCh(69, 6.334, 56.765) contains.

<b>CIELCh(69, 6.341, 56.760)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(69, 6.341, 56.760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A69F
RGB	179, 166, 159
RGB Percent	70%, 65%, 62%
CMY	0.2982, 0.3491, 0.3766
CMYK	0.00, 0.07, 0.11, 0.30
HSL	21°, 12%, 66%
HSV	21°, 11%, 70%
XYZ	38.4701, 39.3444, 38.3547
YIQ	169.0890, 9.9950, 0.5790

# Conversions

## Conversions Part 2

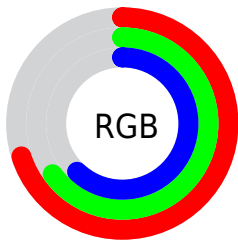
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 170, 159
Decimal	11773599
CIELab	69.00, 3.48, 5.30
CIELCh	69, 6.341, 56.760
Yxy	39.3444, 0.3312, 0.3387
Android (android.graphics.Color)	4289963679 (0xFFB3A69F)
YUV	169.0890, -4.9739, 8.6919
Hunter-Lab	62.7251, -0.2926, 7.6533

# Details

The CIELCh color  $69, 6.341, 56.760$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $70, 6.014, 238.927$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 6.280, 54.903$ , and  $49, 6.143, 54.574$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 12.442, 56.009$ , and if you desaturate by 10%, it is  $73, 0.640, 57.002$ .

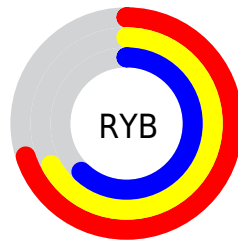
# Distribution



Red (70%)

Green (65%)

Blue (62%)



Red (70%)

Yellow (67%)

Blue (62%)

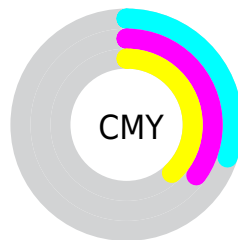


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 6.341, 56.760 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 69, 6.341, 56.760 by changing the saturation by 10% instead.



 69, 6.341, 56.760       69, 6.341, 56.760

 100, 6.341, 56.760       59, 6.341, 56.760

 89, 6.341, 56.760       49, 6.341, 56.760

 99, 6.341, 56.760       39, 6.341, 56.760

 29, 6.341, 56.760

 19, 6.341, 56.760

 9, 6.341, 56.760

 0, 6.341, 56.760

 69, 6.341, 56.760       69, 6.341, 56.760

 66, 12.442, 56.009       73, 0.640, 57.002

62, 18.981, 55.266

76, 4.702, 238.639

59, 25.985, 54.583

80, 9.725, 239.455

56, 33.459, 53.974

83, 14.468,  
240.301

53, 41.359, 53.436

87, 18.966,  
241.143

50, 49.541, 52.927

47, 57.662, 52.322

90, 20.321,  
228.068

45, 64.989, 51.320

93, 22.038,  
208.430

43, 70.468, 50.149

95, 24.278,  
197.920

# Harmonies

# Complementary

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



69, 6.341, 56.760



70, 6.014, 238.927

# Rectangle

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



69, 6.341, 56.760



69, 6.341, 106.760



69, 6.341, 236.760



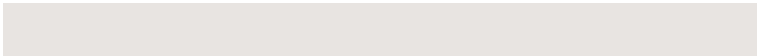
69, 6.341, 286.760

# Sweetspot

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



69, 6.341, 56.780



91, 2.042, 57.268



68, 10.454, 337.146



48, 1.566, 57.255



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



69, 6.341, 56.780



86, 9.176, 56.623



72, 9.286, 102.035



36, 3.186, 56.919



37, 62.500, 50.608



4, 7.546, 47.900





# Inverse Universe

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



70, 6.014, 238.927



87, 8.611, 239.141



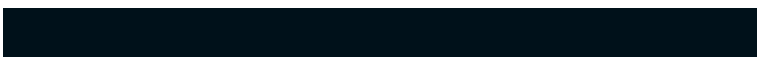
67, 9.442, 284.547



36, 3.052, 238.746



40, 36.156, 264.045



4, 7.804, 250.842



# Previews

## White Background



This preview shows how the CIELCh color 69, 6.341, 56.760 looks on a white background.

## Color Contrast Check

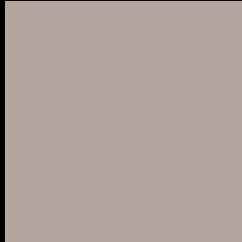
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 69, 6.341, 56.760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

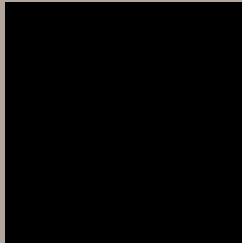
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 69, 6.341, 56.760**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 6.341, 56.760.



This preview shows how white text looks on a background with the CIELCh color 69, 6.341, 56.760.

# 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


69, 6.341, 56.760

### Protanopia

69, 4.769, 85.821

### Deuteranopia

69, 9.937, 29.671



**Tritanopia**  
69, 9.876, 334.030



# Trichromacy



**Original Color**  
69, 6.341, 56.760

**Protanomaly**  
69, 4.911, 70.665

**Deuteranomaly**  
69, 8.497, 34.912

**Tritanomaly**  
69, 6.942, 351.726

# Monochromacy



**Original Color**  
69, 6.341, 56.760

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 2.504, 60.256

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 6.341, 56.760 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(179, 166, 159)` looks like.

```
.text, #text, p{  
    color:rgb(179, 166, 159)  
}
```

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(179, 166, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 166, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 6.341, 56.760 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(179, 166, 159) }
```

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

```
.border{ border-color:rgb(179, 166, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 166, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 166, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 166, 159);  
box-shadow:4px 4px 4px 4px rgb(179, 166,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 6.341, 56.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 166, 159) }
```

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

```
.background{ background-color: rgb(179,  
166, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor