

Converting Colors

CIELCh(66, 39.956, 96.417)

Have a look what the booklet for
CIELCh(66, 39.956, 96.417) contains.

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Color

CIELCh(66, 39.956, 96.417)

Conversions

Conversions Part 1

Format	Color
Hex	B0A158
RGB	176, 161, 88
RGB Percent	69%, 63%, 35%
CMY	0.3107, 0.3694, 0.6557
CMYK	0.00, 0.09, 0.50, 0.31
HSL	50°, 36%, 52%
HSV	50°, 50%, 69%
XYZ	32.3177, 35.3238, 14.3052
YIQ	157.1630, 32.3730, -19.5230

Conversions

Conversions Part 2

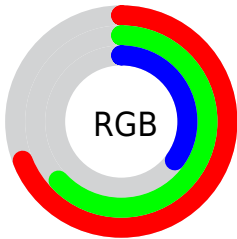
Format	Color
RYB	106, 176, 88
Decimal	11575640
CIELab	66.00, -4.47, 39.71
CIELCh	66, 39.956, 96.417
Yxy	35.3238, 0.3944, 0.4311
Android (android.graphics.Color)	4289765720 (0xFFB0A158)
YUV	157.1630, -34.0974, 16.5200
Hunter-Lab	59.4338, -6.9483, 27.3331

Details

The CIELCh color **66, 39.956, 96.417** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **45, 43.436, 290.191**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 40.335, 96.823**, and **46, 40.069, 96.915** is the 20% darker color. If you saturate the color by 10%, you get **65, 47.374, 95.246**, and if you desaturate by 10%, it is **67, 32.157, 97.593**.

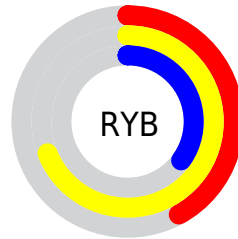
Distribution



Red (69%)

Green (63%)

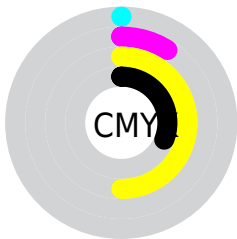
Blue (35%)



Red (42%)

Yellow (69%)

Blue (35%)

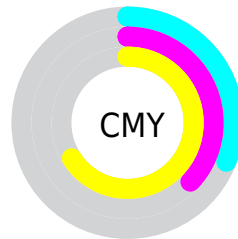


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (31%)



Cyan (31%)

Magenta (37%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 39.956, 96.417 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 66, 39.956, 96.417 by changing the saturation by 10% instead.

■ 66, 39.956, 96.417

■ 66, 39.956, 96.417

■ 100, 39.956,
96.417

■ 56, 39.956, 96.417

■ 86, 39.956, 96.417

■ 46, 39.956, 96.417

■ 96, 39.956, 96.417

■ 36, 39.956, 96.417

■ 26, 39.956, 96.417

■ 16, 39.956, 96.417

■ 6, 39.956, 96.417

■ 0, 39.956, 96.417

■ 66, 39.956, 96.417

■ 66, 39.956, 96.417

■ 65, 47.374, 95.246

■ 67, 32.157, 97.593

64, 54.094, 94.075

68, 24.170, 98.758

63, 59.653, 92.901

69, 16.113, 99.903

62, 63.488, 91.700

71, 8.053, 101.018

61, 65.598, 90.456

72, 0.030, 97.780

73, 7.937, 283.192

74, 15.836,
284.194

76, 23.661,
285.157

77, 31.411,
286.074

Harmonies

Complementary

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



66, 39.956, 96.417



45, 43.436, 290.191

Rectangle

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



66, 39.956, 96.417



66, 39.956, 146.417



66, 39.956, 276.417



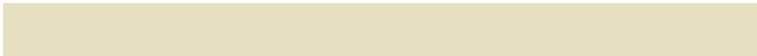
66, 39.956, 326.417

Sweetspot

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



66, 39.957, 96.420



89, 14.959, 100.441



48, 38.206, 11.349



47, 10.200, 100.211



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 39.957, 96.420



83, 58.700, 95.128



68, 47.888, 119.711



36, 4.486, 101.100



53, 58.559, 90.630



6, 8.844, 98.202

Inverse Universe

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



45, 43.436, 290.191



52, 65.971, 292.878



44, 53.259, 306.036



34, 4.546, 283.215



20, 80.332, 302.959



1, 9.816, 283.839

Previews

White Background



This preview shows how the CIELCh color 66, 39.956, 96.417 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 CIE LCh color 66, 39.956, 96.417 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 66, 39.956, 96.417

Background



This preview shows how black text looks on a background with the CIELCh color 66, 39.956, 96.417.



This preview shows how white text looks on a background with the CIELCh color 66, 39.956, 96.417.

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

66, 39.956, 96.417

Protanopia

66, 40.041, 95.793

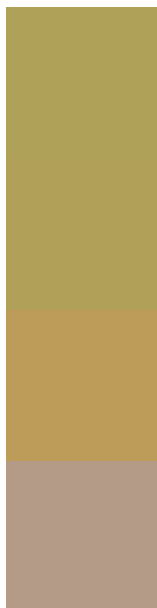
Deuteranopia

66, 39.894, 77.631



Tritanopia
66, 13.673, 351.792

Trichromacy



Original Color
66, 39.956, 96.417

Protanomaly
66, 40.041, 95.793

Deuteranomaly
66, 39.566, 84.410

Tritanomaly
66, 14.755, 65.016

Monochromacy



Original Color
66, 39.956, 96.417

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 14.564, 98.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 39.956, 96.417 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(176, 161, 88)` looks like.

```
.text, #text, p{  
    color:rgb(176, 161, 88)  
}
```

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(176, 161, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 161, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 39.956, 96.417 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(176, 161, 88) }
```

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

```
.border{ border-color:rgb(176, 161, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 161, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 161, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 161, 88);  
box-shadow:4px 4px 4px 4px rgb(176, 161,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 39.956, 96.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 161, 88) }
```

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

```
.background{ background-color: rgb(176,  
161, 88) }
```

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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