

Converting Colors

CIELCh(50, 60.707, 135.949)

Have a look what the booklet for
CIELCh(50, 60.707, 135.949)
contains.

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Color

CIELCh(50, 60.798, 135.879)

Conversions

Conversions Part 1

Format	Color
Hex	368828
RGB	54, 136, 40
RGB Percent	21%, 53%, 16%
CMY	0.7900, 0.4682, 0.8447
CMYK	0.61, 0.00, 0.71, 0.47
HSL	111°, 55%, 34%
HSV	111°, 71%, 53%
XYZ	10.6219, 18.4187, 4.9681
YIQ	100.5380, -18.0560, -47.2400

Conversions

Conversions Part 2

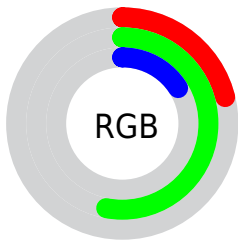
Format	Color
RYB	40, 136, 122
Decimal	3573800
CIELab	50.00, -43.65, 42.33
CIELCh	50, 60.798, 135.879
Yxy	18.4187, 0.3123, 0.5416
Android (android.graphics.Color)	4281763880 (0xFF368828)
YUV	100.5380, -29.8452, -40.8138
Hunter-Lab	42.9170, -30.9262, 23.1785

Details

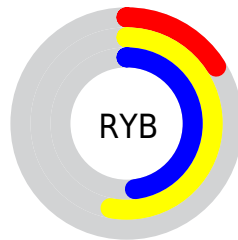
The CIELCh color **50, 60.798, 135.879** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **33, 61.165, 323.073**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 60.554, 135.979**, and **31, 53.844, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **50, 66.716, 135.366**, and if you desaturate by 10%, it is **51, 53.649, 136.563**.

Distribution



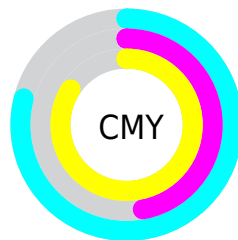
- Red (21%)
- Green (53%)
- Blue (16%)



- Red (16%)
- Yellow (53%)
- Blue (48%)



- Cyan (61%)
- Magenta (0%)
- Yellow (71%)
- Black (47%)





- Cyan (79%)
- Magenta (47%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 60.798, 135.879 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 50, 60.798, 135.879 by changing the saturation by 10% instead.


 50, 60.798,
135.879


 50, 60.798,
135.879


 100, 60.798,
135.879


 40, 60.798,
135.879


 70, 60.798,
135.879

 30, 60.798,
135.879


 80, 60.798,
135.879


 20, 60.798,
135.879

 90, 60.798,
135.879

 10, 60.798,
135.879

 0, 60.798, 135.879

 50, 60.798,
135.879

 50, 60.798,
135.879

■ 50, 66.716,
135.366

■ 51, 53.649,
136.563

■ 49, 71.051,
135.142

■ 51, 45.624,
137.310

■ 49, 73.904,
135.016

■ 52, 37.021,
138.050

■ 53, 28.071,
138.742

■ 54, 18.953,
139.368

■ 55, 9.798, 139.926

■ 56, 0.706, 140.625

■ 58, 8.255, 320.781

■ 59, 17.037,
321.145

Harmonies

Complementary

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



50, 60.798, 135.879



33, 61.165, 323.073

Rectangle

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



50, 60.798, 135.879



50, 60.798, 185.879



50, 60.798, 315.879



50, 60.798, 5.879

Sweetspot

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



50, 60.798, 135.880



69, 23.687, 139.328



51, 44.974, 95.508



36, 16.163, 139.185



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 60.798, 135.880



63, 84.196, 135.189



50, 49.381, 148.713



28, 5.185, 140.012



48, 72.698, 134.999



1, 2.399, 140.424

Inverse Universe

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



33, 61.165, 323.073



39, 83.877, 323.076



33, 49.052, 342.864



27, 5.207, 320.812



27, 71.911, 322.815



0, 2.400, 320.420

Previews

White Background



This preview shows how the CIELCh color 50, 60.798, 135.879 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 CIE LCh color 50, 60.798, 135.879 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 50, 60.798, 135.879

Background



This preview shows how black text looks on a background with the CIELCh color 50, 60.798, 135.879.



This preview shows how white text looks on a background with the CIELCh color 50, 60.798, 135.879.

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, 60.798, 135.879

Protanopia
50, 45.606, 95.008

Deuteranopia
50, 40.451, 80.467



Tritanopia
50, 18.166, 216.714

Trichromacy



Original Color
50, 60.798, 135.879

Protanomaly
49, 47.647, 115.310

Deuteranomaly
49, 42.013, 109.736

Tritanomaly
50, 28.771, 161.833

Monochromacy



Original Color
50, 60.798, 135.879

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 24.336, 138.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 60.798, 135.879 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(54, 136, 40)` looks like.

```
.text, #text, p{  
    color:rgb(54, 136, 40)  
}
```

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(54, 136, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 136, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 60.798, 135.879 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(54, 136, 40) }
```

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

```
.border{ border-color:rgb(54, 136, 40) }
```

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

Here you see how a box with a 4 pixel rgb(54, 136, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 136, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 136, 40);  
box-shadow:4px 4px 4px 4px rgb(54, 136,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 60.798, 135.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 136, 40) }
```

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

```
.background{ background-color: rgb(54, 136,  
40) }
```

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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