

Converting Colors

CIELCh(50, 59.386, 134.973)

Have a look what the booklet for
CIELCh(50, 59.386, 134.973)
contains.

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Color

CIELCh(50, 59.467, 134.782)

Conversions

Conversions Part 1

Format	Color
Hex	3B8728
RGB	59, 135, 40
RGB Percent	23%, 53%, 16%
CMY	0.7685, 0.4705, 0.8430
CMYK	0.56, 0.00, 0.70, 0.47
HSL	108°, 54%, 34%
HSV	108°, 70%, 53%
XYZ	10.8559, 18.4187, 4.9925
YIQ	101.4460, -14.8010, -45.6570

Conversions

Conversions Part 2

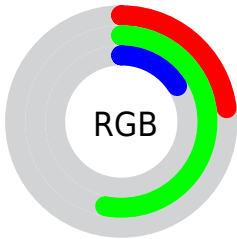
Format	Color
RYB	40, 135, 116
Decimal	3901224
CIELab	50.00, -41.89, 42.21
CIELCh	50, 59.467, 134.782
Yxy	18.4187, 0.3168, 0.5375
Android (android.graphics.Color)	4282091304 (0xFF3B8728)
YUV	101.4460, -30.2929, -37.2251
Hunter-Lab	42.9170, -29.9528, 23.1447

Details

The CIELCh color **50, 59.467, 134.782** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **32, 60.545, 321.338**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 59.268, 134.903**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **50, 65.457, 134.411**, and if you desaturate by 10%, it is **51, 52.325, 135.343**.

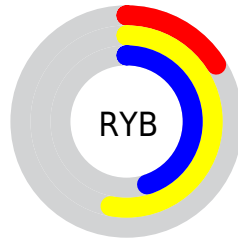
Distribution



 Red (23%)

 Green (53%)

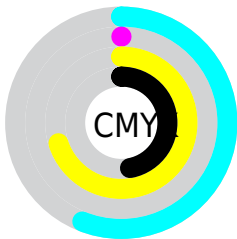
 Blue (16%)




 Red (16%)

 Yellow (53%)

 Blue (45%)

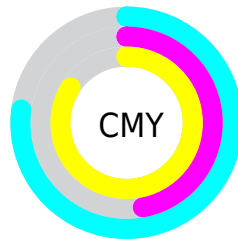


 Cyan (56%)


 Magenta (0%)

 Yellow (70%)

 Black (47%)



 Cyan (77%)


 Magenta (47%)


 Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 59.467, 134.782 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, 59.467, 134.782 by changing the saturation by 10% instead.


 50, 59.467,
134.782


 50, 59.467,
134.782


 100, 59.467,
134.782


 40, 59.467,
134.782


 70, 59.467,
134.782

 30, 59.467,
134.782


 80, 59.467,
134.782


 20, 59.467,
134.782

 90, 59.467,
134.782

 10, 59.467,
134.782

 0, 59.467, 134.782

 50, 59.467,
134.782

 50, 59.467,
134.782

■ 50, 65.457,
134.411

■ 51, 52.325,
135.343

■ 49, 69.943,
134.344

■ 51, 44.374,
135.988

■ 49, 73.082,
134.400

■ 52, 35.898,
136.645

■ 53, 27.112,
137.271

■ 54, 18.178,
137.846

■ 55, 9.214, 138.365

■ 56, 0.309, 139.301

■ 58, 8.474, 319.169

■ 59, 17.093,
319.515

Harmonies

Complementary

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



50, 59.467, 134.782



32, 60.545, 321.338

Rectangle

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



50, 59.467, 134.782



50, 59.467, 184.782



50, 59.467, 314.782



50, 59.467, 4.782

Sweetspot

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



50, 59.467, 134.783



69, 23.282, 137.784



49, 42.554, 90.991



36, 15.886, 137.651



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, 59.467, 134.783



63, 82.734, 134.330



50, 51.663, 146.291



27, 4.940, 138.426



47, 71.090, 134.363



1, 1.180, 138.813

Inverse Universe

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



32, 60.545, 321.338



38, 83.656, 321.284



33, 50.732, 339.208



26, 4.966, 319.180



25, 71.401, 320.907



0, 1.180, 318.809

Previews

White Background



This preview shows how the CIELCh color 50, 59.467, 134.782 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 50, 59.467, 134.782 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, 59.467, 134.782

Background



This preview shows how black text looks on a background with the CIELCh color 50, 59.467, 134.782.



This preview shows how white text looks on a background with the CIELCh color 50, 59.467, 134.782.

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, 59.467, 134.782

Protanopia
50, 45.528, 95.660

Deuteranopia
50, 40.451, 80.467



Tritanopia
50, 17.123, 218.030

Trichromacy



Original Color
50, 59.467, 134.782

Protanomaly
49, 47.964, 114.659

Deuteranomaly
49, 41.454, 107.901

Tritanomaly
49, 27.563, 160.190

Monochromacy



Original Color
50, 59.467, 134.782

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 23.180, 137.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 59.467, 134.782 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(59, 135, 40)` looks like.

```
.text, #text, p{  
    color:rgb(59, 135, 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(59, 135, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 135, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 59.467, 134.782 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(59, 135, 40) }
```

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

```
.border{ border-color:rgb(59, 135, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 135, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 135, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 135, 40);  
box-shadow:4px 4px 4px 4px rgb(59, 135,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 59.467, 134.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 135, 40) }
```

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

```
.background{ background-color: rgb(59, 135,  
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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