

Converting Colors

CIELCh(50, 58.682, 145.710)

Have a look what the booklet for
CIELCh(50, 58.682, 145.710)
contains.

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Color

CIELCh(50, 58.458, 145.751)

Conversions

Conversions Part 1

Format	Color
Hex	11893B
RGB	17, 137, 59
RGB Percent	7%, 54%, 23%
CMY	0.9343, 0.4615, 0.7675
CMYK	0.88, 0.00, 0.57, 0.46
HSL	141°, 78%, 30%
HSV	141°, 88%, 54%
XYZ	10.0151, 18.4187, 7.2046
YIQ	92.2280, -46.4820, -49.6980

Conversions

Conversions Part 2

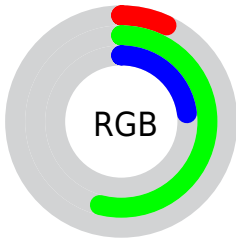
Format	Color
RYB	17, 106, 137
Decimal	1149243
CIELab	50.00, -48.32, 32.90
CIELCh	50, 58.458, 145.751
Yxy	18.4187, 0.2810, 0.5168
Android (android.graphics.Color)	4279339323 (0xFF11893B)
YUV	92.2280, -16.3814, -65.9750
Hunter-Lab	42.9170, -33.4499, 20.0887

Details

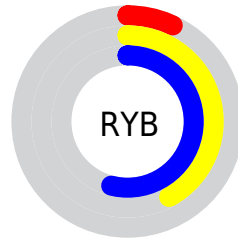
The CIELCh color **50, 58.458, 145.751** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **31, 55.115, 345.791**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 58.788, 145.488**, and **31, 51.484, 138.208** is the 20% darker color. If you saturate the color by 10%, you get **50, 62.658, 143.823**, and if you desaturate by 10%, it is **50, 53.596, 147.610**.

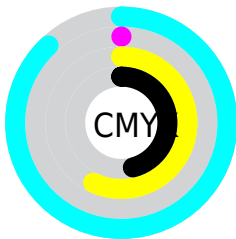
Distribution



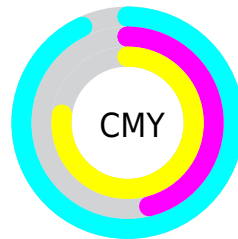
- Red (7%)
- Green (54%)
- Blue (23%)



- Red (7%)
- Yellow (42%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (57%)
- Black (46%)





- Cyan (93%)
- Magenta (46%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 58.458, 145.751 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, 58.458, 145.751 by changing the saturation by 10% instead.


 50, 58.458,
145.751


 50, 58.458,
145.751


 100, 58.458,
145.751


 40, 58.458,
145.751


 70, 58.458,
145.751

 30, 58.458,
145.751


 80, 58.458,
145.751


 20, 58.458,
145.751

 90, 58.458,
145.751

 10, 58.458,
145.751

 0, 58.458, 145.751

 50, 58.458,
145.751

 50, 58.458,
145.751

■ 50, 62.658,
143.823

■ 50, 53.596,
147.610

■ 50, 63.535,
143.439

■ 51, 48.037,
149.297

■ 51, 41.859,
150.799

■ 52, 35.172,
152.122

■ 53, 28.103,
153.281

■ 54, 20.779,
154.297

■ 55, 13.317,
155.193

■ 56, 5.819, 156.002

■ 58, 1.633, 336.485

Harmonies

Complementary

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



50, 58.458, 145.751



31, 55.115, 345.791

Rectangle

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



50, 58.458, 145.751



50, 58.458, 195.751



50, 58.458, 325.751



50, 58.458, 15.751

Sweetspot

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



50, 58.458, 145.751



69, 24.076, 154.414



52, 61.616, 120.961



35, 16.242, 154.131



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, 58.458, 145.751



64, 77.891, 142.940



51, 34.960, 178.349



28, 4.219, 155.895



48, 61.837, 143.515



1, 1.955, 156.510

Inverse Universe

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



31, 55.115, 345.791



39, 68.484, 348.894



29, 53.981, 26.098



27, 4.246, 337.102



28, 55.342, 348.203



0, 1.955, 336.502

Previews

White Background



This preview shows how the CIELCh color 50, 58.458, 145.751 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 58.458, 145.751 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, 58.458, 145.751

Background



This preview shows how black text looks on a background with the CIELCh color 50, 58.458, 145.751.



This preview shows how white text looks on a background with the CIELCh color 50, 58.458, 145.751.

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, 58.391, 145.688

Protanopia
50, 37.162, 95.712

Deuteranopia
50, 31.169, 78.550



Tritanopia
50, 23.001, 212.168

Trichromacy



Original Color
50, 58.391, 145.688

Protanomaly
48, 42.282, 127.127

Deuteranomaly
48, 34.666, 123.758

Tritanomaly
50, 32.238, 172.521

Monochromacy



Original Color
50, 58.391, 145.688

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 24.358, 153.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 58.458, 145.751 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(17, 137, 59)` looks like.

```
.text, #text, p{  
    color:rgb(17, 137, 59)  
}
```

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(17, 137, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 137, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 58.458, 145.751 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(17, 137, 59) }
```

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

```
.border{ border-color:rgb(17, 137, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 137, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 137, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 137, 59);  
box-shadow:4px 4px 4px 4px rgb(17, 137,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 58.458, 145.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 137, 59) }
```

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

```
.background{ background-color: rgb(17, 137,  
59) }
```

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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