

Converting Colors

CIELCh(58, 59.355, 80.375)

Have a look what the booklet for
CIELCh(58, 59.355, 80.375) contains.

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Color

CIELCh(58, 59.308, 80.296)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B48319 |
| RGB | 180, 131, 25 |
| RGB Percent | 71%, 51%, 10% |
| CMY | 0.2946, 0.4867, 0.9025 |
| CMYK | 0.00, 0.27, 0.86, 0.29 |
| HSL | 41°, 76%, 40% |
| HSV | 41°, 86%, 71% |
| XYZ | 27.0687, 25.9610, 4.4958 |
| YIQ | 133.5670, 63.2300, -22.5780 |

Conversions

Conversions Part 2

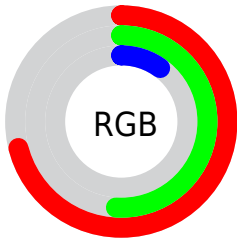
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 97, 180, 25 |
| Decimal | 11830041 |
| CIE _{Lab} | 58.00, 10.00, 58.46 |
| CIE _{LCh} | 58, 59.308, 80.296 |
| Yxy | 25.9610, 0.4706, 0.4513 |
| Android (android.graphics.Color) | 4290020121 (0xFFB48319) |
| YUV | 133.5670, -53.5235, 40.7217 |
| Hunter-Lab | 50.9519, 5.6639, 30.4348 |

Details

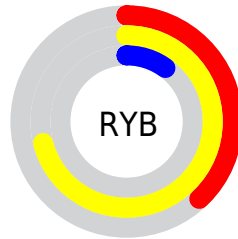
The CIELCh color **58, 59.308, 80.296** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **35, 65.644, 292.751**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 59.304, 80.395**, and **38, 47.898, 77.241** is the 20% darker color. If you saturate the color by 10%, you get **57, 62.566, 78.171**, and if you desaturate by 10%, it is **60, 54.162, 82.079**.

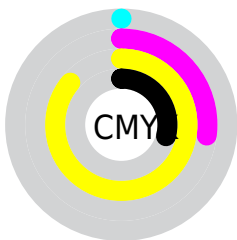
Distribution



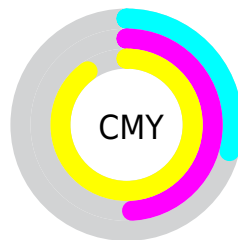
- Red (71%)
- Green (51%)
- Blue (10%)



- Red (38%)
- Yellow (71%)
- Blue (10%)



- Cyan (0%)
- Magenta (27%)
- Yellow (86%)
- Black (29%)



- Cyan (29%)
- Magenta (49%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 59.308, 80.296 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 58, 59.308, 80.296 by changing the saturation by 10% instead.

■ 58, 59.308, 80.296

■ 58, 59.308, 80.296

■ 100, 59.308,
80.296

■ 48, 59.308, 80.296

■ 78, 59.308, 80.296

■ 38, 59.308, 80.296

■ 88, 59.308, 80.296

■ 28, 59.308, 80.296

■ 98, 59.308, 80.296

■ 18, 59.308, 80.296

■ 8, 59.308, 80.296

■ 0, 59.308, 80.296

■ 58, 59.308, 80.296

■ 58, 59.308, 80.296

■ 57, 62.566, 78.171

■ 60, 54.162, 82.079

■ 56, 63.611, 77.338

■ 61, 47.778, 83.655

63, 40.739, 85.122

65, 33.417, 86.525

66, 26.027, 87.885

68, 18.681, 89.205

70, 11.438, 90.482

72, 4.322, 91.694

74, 2.660, 273.021

Harmonies

Complementary

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



58, 59.308, 80.296



35, 65.644, 292.751

Rectangle

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



58, 59.308, 80.296



58, 59.308, 130.296



58, 59.308, 260.296



58, 59.308, 310.296

Sweetspot

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



58, 59.307, 80.299



87, 23.030, 89.170



39, 62.079, 12.551



45, 15.644, 88.725



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



58, 59.307, 80.299



71, 77.564, 76.828



69, 72.343, 113.084



37, 3.951, 91.326



48, 56.481, 77.711



6, 8.569, 83.421

Inverse Universe

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



35, 65.644, 292.751



39, 95.852, 298.076



26, 93.195, 306.517



35, 3.957, 273.710



25, 67.598, 297.013



2, 10.282, 277.634

Previews

White Background



This preview shows how the CIELCh color 58, 59.308, 80.296 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 58, 59.308, 80.296 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 58, 59.308, 80.296

Background



This preview shows how black text looks on a background with the CIELCh color 58, 59.308, 80.296.



This preview shows how white text looks on a background with the CIELCh color 58, 59.308, 80.296.

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

58, 59.308, 80.296

Protanopia

58, 57.169, 95.426

Deuteranopia

58, 59.031, 83.142



Tritanopia
58, 26.749, 11.729

Trichromacy



Original Color
58, 59.308, 80.296

Protanomaly
58, 57.486, 90.129

Deuteranomaly
58, 59.084, 82.161

Tritanomaly
58, 33.260, 54.894

Monochromacy



Original Color
58, 59.308, 80.296

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 23.065, 87.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 59.308, 80.296 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(180, 131, 25)` looks like.

```
.text, #text, p{  
    color:rgb(180, 131, 25)  
}
```

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(180, 131, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 131, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 59.308, 80.296 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(180, 131, 25) }
```

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

```
.border{ border-color:rgb(180, 131, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 131, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 131, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 131, 25);  
box-shadow:4px 4px 4px 4px rgb(180, 131,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 59.308, 80.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 131, 25) }
```

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

```
.background{ background-color: rgb(180,  
131, 25) }
```

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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