

Converting Colors

CIELCh(51, 65.341, 82.992)

Have a look what the booklet for
CIELCh(51, 65.341, 82.992) contains.

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Color

CIELCh(51, 58.011, 81.530)

Conversions

Conversions Part 1

Format	Color
Hex	9D7200
RGB	157, 114, 0
RGB Percent	62%, 45%, 0%
CMY	0.3834, 0.5522, 0.9987
CMYK	0.00, 0.27, 1.00, 0.38
HSL	44°, 100%, 31%
HSV	44°, 100%, 62%
XYZ	19.9884, 19.2686, 2.6747
YIQ	113.8610, 62.2220, -26.3380

Conversions

Conversions Part 2

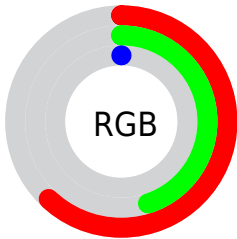
Format	Color
RYB	59, 157, 0
Decimal	10318336
CIELab	51.00, 8.54, 57.38
CIElCh	51, 58.011, 81.530
Yxy	19.2686, 0.4767, 0.4595
Android (android.graphics.Color)	4288508416 (0xFF9D7200)
YUV	113.8610, -56.1335, 37.8329
Hunter-Lab	43.8960, 4.4633, 27.1146

Details

The CIELCh color **51, 58.011, 81.530** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **24, 73.336, 299.109**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 58.242, 81.786**, and **31, 41.822, 76.198** is the 20% darker color. If you saturate the color by 10%, you get **51, 58.066, 81.496**, and if you desaturate by 10%, it is **52, 55.396, 83.402**.

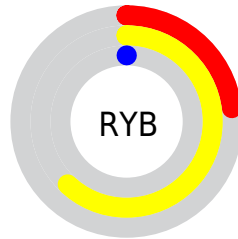
Distribution



Red (62%)

Green (45%)

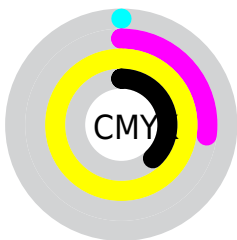
Blue (0%)



Red (23%)

Yellow (62%)

Blue (0%)

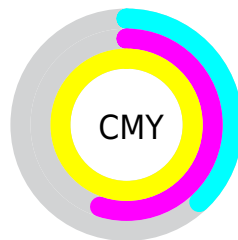


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 58.011, 81.530 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 51, 58.011, 81.530 by changing the saturation by 10% instead.

■ 51, 58.011, 81.530

■ 51, 58.011, 81.530

■ 100, 58.011,
81.530

■ 41, 58.011, 81.530

■ 71, 58.011, 81.530

■ 31, 58.011, 81.530

■ 81, 58.011, 81.530

■ 21, 58.011, 81.530

■ 91, 58.011, 81.530

■ 11, 58.011, 81.530

■ 1, 58.011, 81.530

■ 0, 58.011, 81.530

■ 51, 58.011, 81.530

■ 51, 58.011, 81.530

■ 51, 58.066, 81.496

■ 52, 55.396, 83.402

■ 53, 51.408, 85.085

■ 55, 46.065, 86.590

■ 56, 39.916, 87.998

■ 57, 33.352, 89.351

■ 59, 26.613, 90.667

■ 60, 19.836, 91.949

■ 62, 13.097, 93.194

■ 63, 6.432, 94.393

Harmonies

Complementary

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



51, 58.011, 81.530



24, 73.336, 299.109

Rectangle

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



51, 58.011, 81.530



51, 58.011, 131.530



51, 58.011, 261.530



51, 58.011, 311.530

Sweetspot

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



51, 58.010, 81.533



76, 24.703, 91.850



33, 61.253, 21.726



39, 16.847, 91.354



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 58.010, 81.533



65, 70.352, 81.016



60, 69.476, 115.458



33, 3.727, 94.457



47, 54.150, 81.702



3, 4.681, 92.967

Inverse Universe

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



24, 73.336, 299.109



32, 90.868, 299.785



19, 91.402, 307.484



31, 3.748, 276.732



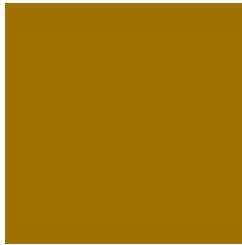
22, 67.927, 298.888



1, 4.937, 276.550

Previews

White Background



This preview shows how the CIELCh color 51, 58.011, 81.530 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 51, 58.011, 81.530 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 51, 58.011, 81.530

Background



This preview shows how black text looks on a background with the CIELCh color 51, 58.011, 81.530.



This preview shows how white text looks on a background with the CIELCh color 51, 58.011, 81.530.

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

51, 58.011, 81.530

Protanopia

51, 54.998, 94.970

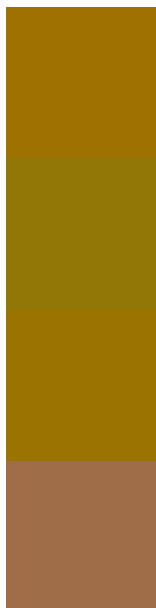
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 24.003, 11.528

Trichromacy



Original Color
51, 58.011, 81.530

Protanomaly
51, 55.579, 89.824

Deuteranomaly
51, 57.721, 82.993

Tritanomaly
51, 32.491, 60.136

Monochromacy



Original Color
51, 58.011, 81.530

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 24.988, 89.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 58.011, 81.530 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(157, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 114, 0)  
}
```

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(157, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 114, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 58.011, 81.530 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(157, 114, 0) }
```

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

```
.border{ border-color:rgb(157, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 114,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 58.011, 81.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 114, 0) }
```

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

```
.background{ background-color: rgb(157,  
114, 0) }
```

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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