

Converting Colors

CIELCh(51, 59.932, 122.186)

Have a look what the booklet for
CIELCh(51, 59.932, 122.186)
contains.

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Color

CIELCh(51, 60.020, 122.312)

Conversions

Conversions Part 1

Format	Color
Hex	5A8614
RGB	90, 134, 20
RGB Percent	35%, 53%, 8%
CMY	0.6471, 0.4746, 0.9216
CMYK	0.33, 0.00, 0.85, 0.47
HSL	83°, 74%, 30%
HSV	83°, 85%, 53%
XYZ	12.8635, 19.2686, 3.7019
YIQ	107.8480, 10.3700, -44.7820

Conversions

Conversions Part 2

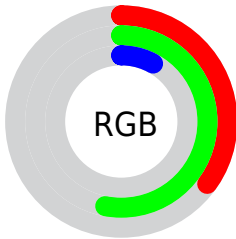
Format	Color
R_{YB}	20, 134, 64
Decimal	5932564
CIE Lab	51.00, -32.08, 50.73
CIE LCh	51, 60.020, 122.312
Yxy	19.2686, 0.3590, 0.5377
Android (android.graphics.Color)	4284122644 (0xFF5A8614)
YUV	107.8480, -43.3091, -15.6527
Hunter-Lab	43.8960, -24.5095, 25.7271

Details

The CIELCh color **51, 60.020, 122.312** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21, 71.180, 309.891**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 60.180, 122.447**, and **31, 48.720, 128.205** is the 20% darker color. If you saturate the color by 10%, you get **51, 63.416, 122.994**, and if you desaturate by 10%, it is **51, 55.257, 122.038**.

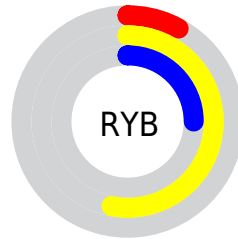
Distribution



Red (35%)

Green (53%)

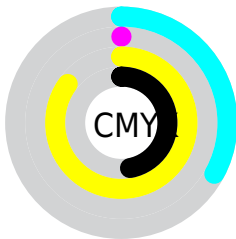
Blue (8%)



Red (8%)

Yellow (53%)

Blue (25%)

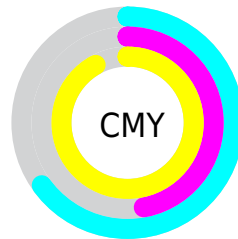


Cyan (33%)

Magenta (0%)

Yellow (85%)

Black (47%)



Cyan (65%)


Magenta (47%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 60.020, 122.312 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, 60.020, 122.312 by changing the saturation by 10% instead.


 51, 60.020,
122.312


 51, 60.020,
122.312


 100, 60.020,
122.312


 41, 60.020,
122.312


 71, 60.020,
122.312

 31, 60.020,
122.312

 81, 60.020,
122.312

 21, 60.020,
122.312

 91, 60.020,
122.312

 11, 60.020,
122.312

 1, 60.020, 122.312

 0, 60.020, 122.312

■ 51, 60.020,
122.312

■ 51, 60.020,
122.312

■ 51, 63.416,
122.994

■ 51, 55.257,
122.038

■ 51, 64.923,
123.339

■ 52, 49.348,
122.091

■ 52, 42.620,
122.363

■ 53, 35.349,
122.769

■ 53, 27.736,
123.245

■ 54, 19.921,
123.750

■ 55, 12.000,
124.259

■ 56, 4.041, 124.762

Harmonies

Complementary

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



51, 60.020, 122.312



21, 71.180, 309.891

Rectangle

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



51, 60.020, 122.312



51, 60.020, 172.312



51, 60.020, 302.312



51, 60.020, 352.312

Sweetspot

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



51, 60.020, 122.313



69, 25.474, 123.675



35, 47.186, 54.708



35, 17.176, 123.527



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 60.020, 122.313



64, 78.634, 123.690



49, 68.520, 135.640



28, 4.446, 124.559



49, 63.516, 123.293



1, 1.067, 124.989

Inverse Universe

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



21, 71.180, 309.891



24, 95.654, 309.670



30, 67.915, 324.054



26, 4.517, 305.434



17, 77.270, 309.932



0, 1.068, 304.988

Previews

White Background



This preview shows how the CIELCh color 51, 60.020, 122.312 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 51, 60.020, 122.312 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, 60.020, 122.312

Background



This preview shows how black text looks on a background with the CIELCh color 51, 60.020, 122.312.



This preview shows how white text looks on a background with the CIELCh color 51, 60.020, 122.312.

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, 60.020, 122.312

Protanopia
51, 53.086, 95.401

Deuteranopia
51, 48.876, 82.433



Tritanopia
51, 9.822, 235.323

Trichromacy



Original Color
51, 60.020, 122.312

Protanomaly
51, 54.219, 106.768

Deuteranomaly
50, 49.403, 99.814

Tritanomaly
50, 23.808, 139.040

Monochromacy



Original Color
51, 60.020, 122.312

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 24.817, 123.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 60.020, 122.312 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(90, 134, 20)` looks like.

```
.text, #text, p{  
    color:rgb(90, 134, 20)  
}
```

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(90, 134, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 134, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 60.020, 122.312 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(90, 134, 20) }
```

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

```
.border{ border-color:rgb(90, 134, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 134, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 134, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 134, 20);  
box-shadow:4px 4px 4px 4px rgb(90, 134,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 60.020, 122.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 134, 20) }
```

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

```
.background{ background-color: rgb(90, 134,  
20) }
```

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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