

Converting Colors

CIELCh(51, 60.619, 115.144)

Have a look what the booklet for
CIELCh(51, 60.619, 115.144)
contains.

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Color

CIELCh(51, 60.306, 114.831)

Conversions

Conversions Part 1

Format	Color
Hex	688302
RGB	104, 131, 2
RGB Percent	41%, 51%, 1%
CMY	0.5911, 0.4852, 0.9903
CMYK	0.21, 0.00, 0.98, 0.49
HSL	73°, 96%, 26%
HSV	73°, 98%, 51%
XYZ	13.9063, 19.2686, 3.0570
YIQ	108.2210, 25.3170, -45.8430

Conversions

Conversions Part 2

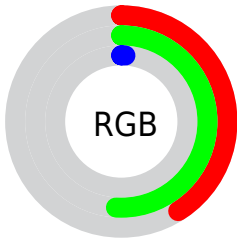
Format	Color
R_{YB}	2, 131, 29
Decimal	6849282
CIE _{Lab}	51.00, -25.33, 54.73
CIE _{LCh}	51, 60.306, 114.831
Yxy	19.2686, 0.3838, 0.5318
Android (android.graphics.Color)	4285039362 (0xFF688302)
YUV	108.2210, -52.3670, -3.7018
Hunter-Lab	43.8960, -20.2690, 26.5982

Details

The CIELCh color **51, 60.306, 114.831** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15, 79.092, 307.399**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 60.217, 114.686**, and **31, 44.850, 121.220** is the 20% darker color. If you saturate the color by 10%, you get **51, 60.808, 114.908**, and if you desaturate by 10%, it is **51, 57.601, 114.402**.

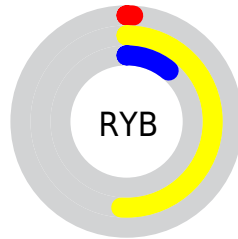
Distribution



Red (41%)

Green (51%)

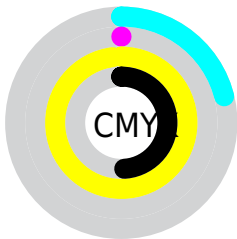
Blue (1%)



Red (1%)

Yellow (51%)

Blue (11%)

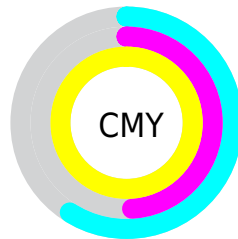


Cyan (21%)

Magenta (0%)

Yellow (98%)

Black (49%)



Cyan (59%)


Magenta (49%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 60.306, 114.831 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, 60.306, 114.831 by changing the saturation by 10% instead.


 51, 60.306,
114.831


 51, 60.306,
114.831


 100, 60.306,
114.831


 41, 60.306,
114.831


 71, 60.306,
114.831

 31, 60.306,
114.831

 81, 60.306,
114.831

 21, 60.306,
114.831

 91, 60.306,
114.831

 11, 60.306,
114.831

 1, 60.306, 114.831

 0, 60.306, 114.831

■ 51, 60.306,
114.831

■ 51, 60.306,
114.831

■ 51, 60.808,
114.908

■ 51, 57.601,
114.402

■ 51, 53.701,
114.257

■ 52, 48.549,
114.414

■ 52, 42.472,
114.786

■ 52, 35.765,
115.300

■ 53, 28.652,
115.897

■ 53, 21.286,
116.538

■ 54, 13.771,

117.193

■ 54, 6.179, 117.846

Harmonies

Complementary

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



51, 60.306, 114.831



15, 79.092, 307.399

Rectangle

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



51, 60.306, 114.831



51, 60.306, 164.831



51, 60.306, 294.831



51, 60.306, 344.831

Sweetspot

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



51, 60.306, 114.833



68, 27.206, 116.437



29, 58.308, 43.363



36, 18.769, 116.199



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, 60.306, 114.833



65, 73.818, 115.163



48, 69.534, 132.743



28, 4.329, 117.780



51, 60.398, 114.898



1, 1.041, 118.361

Inverse Universe

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



15, 79.092, 307.399



21, 97.456, 307.381



24, 72.377, 317.693



26, 4.413, 298.973



15, 79.633, 307.554



0, 1.041, 298.360

Previews

White Background



This preview shows how the CIELCh color 51, 60.306, 114.831 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, 60.306, 114.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

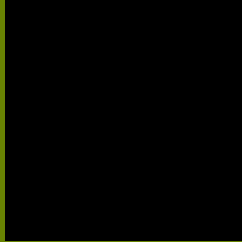
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 60.306, 114.831

Background



This preview shows how black text looks on a background with the CIELCh color 51, 60.306, 114.831.



This preview shows how white text looks on a background with the CIELCh color 51, 60.306, 114.831.

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

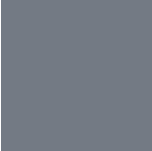
51, 60.306, 114.831

Protanopia

51, 56.662, 95.476

Deuteranopia

51, 51.850, 82.678



Tritanopia
51, 6.358, 266.065

Trichromacy



Original Color
51, 60.306, 114.831

Protanomaly
51, 56.954, 102.875

Deuteranomaly
51, 53.012, 95.920

Tritanomaly
50, 23.764, 122.012

Monochromacy



Original Color
51, 60.306, 114.831

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 27.447, 115.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 60.306, 114.831 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(104, 131, 2)` looks like.

```
.text, #text, p{  
    color:rgb(104, 131, 2)  
}
```

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(104, 131, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 131, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 60.306, 114.831 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(104, 131, 2) }
```

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

```
.border{ border-color:rgb(104, 131, 2) }
```

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

Here you see how a box with a 4 pixel rgb(104, 131, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 131, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 131, 2);  
box-shadow:4px 4px 4px 4px rgb(104, 131,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 60.306, 114.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 131, 2) }
```

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

```
.background{ background-color: rgb(104,  
131, 2) }
```

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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