

Converting Colors

CIELCh(51, 56.017, 123.605)

Have a look what the booklet for
CIELCh(51, 56.017, 123.605)
contains.

CIELCh(51, 56.017, 123.605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 56.017, 123.605)

Conversions

Conversions Part 1

Format	Color
Hex	5B8621
RGB	91, 134, 33
RGB Percent	36%, 53%, 13%
CMY	0.6445, 0.4759, 0.8720
CMYK	0.32, 0.00, 0.76, 0.48
HSL	86°, 61%, 33%
HSV	86°, 76%, 52%
XYZ	13.0264, 19.2686, 4.4444
YIQ	109.6290, 6.7930, -40.5270

Conversions

Conversions Part 2

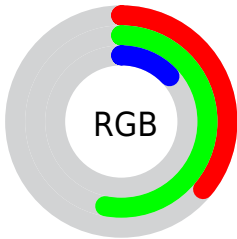
Format	Color
R_{YB}	33, 134, 76
Decimal	5998113
CIE Lab	51.00, -31.00, 46.66
CIE LCh	51, 56.017, 123.605
Yxy	19.2686, 0.3546, 0.5245
Android (android.graphics.Color)	4284188193 (0xFF5B8621)
YUV	109.6290, -37.7781, -16.3376
Hunter-Lab	43.8960, -23.8471, 24.7242

Details

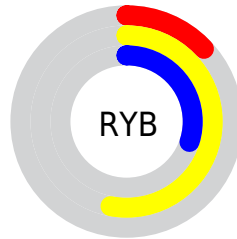
The CIELCh color **51, 56.017, 123.605** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **25, 64.220, 310.576**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 55.660, 123.338**, and **31, 48.547, 127.841** is the 20% darker color. If you saturate the color by 10%, you get **51, 60.804, 123.913**, and if you desaturate by 10%, it is **51, 50.076, 123.635**.

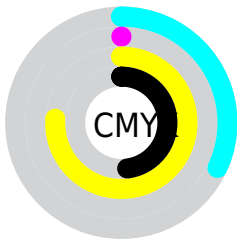
Distribution



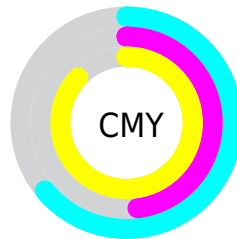
- Red (36%)
- Green (53%)
- Blue (13%)



- Red (13%)
- Yellow (53%)
- Blue (30%)



- Cyan (32%)
- Magenta (0%)
- Yellow (76%)
- Black (48%)





- Cyan (64%)
- Magenta (48%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 56.017, 123.605 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, 56.017, 123.605 by changing the saturation by 10% instead.


 51, 56.017,
123.605


 51, 56.017,
123.605


 100, 56.017,
123.605


 41, 56.017,
123.605


 71, 56.017,
123.605

 31, 56.017,
123.605

 81, 56.017,
123.605

 21, 56.017,
123.605

 91, 56.017,
123.605

 11, 56.017,
123.605

 1, 56.017, 123.605

 0, 56.017, 123.605

■ 51, 56.017,
123.605

■ 51, 56.017,
123.605

■ 51, 60.804,
123.913

■ 51, 50.076,
123.635

■ 50, 64.244,
124.623

■ 52, 43.305,
123.889

■ 50, 65.642,
124.932

■ 53, 35.984,
124.278

■ 53, 28.316,
124.737

■ 54, 20.446,
125.225

■ 55, 12.471,
125.714

■ 55, 4.462, 126.195

■ 56, 3.533, 306.606

■ 57, 11.479,
307.036

Harmonies

Complementary

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



51, 56.017, 123.605



25, 64.220, 310.576

Rectangle

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



51, 56.017, 123.605



51, 56.017, 173.605



51, 56.017, 303.605



51, 56.017, 353.605

Sweetspot

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



51, 56.017, 123.606



69, 22.747, 125.327



38, 40.921, 58.493



35, 15.664, 125.173



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, 56.017, 123.606



64, 76.775, 124.422



49, 63.948, 136.643



28, 4.481, 126.025



49, 64.333, 124.889



1, 1.075, 126.432

Inverse Universe

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



25, 64.220, 310.576



27, 90.567, 310.693



32, 63.413, 325.121



26, 4.548, 306.851



18, 76.655, 310.665



0, 1.075, 306.430

Previews

White Background



This preview shows how the CIELCh color 51, 56.017, 123.605 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, 56.017, 123.605 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, 56.017, 123.605

Background



This preview shows how black text looks on a background with the CIELCh color 51, 56.017, 123.605.



This preview shows how white text looks on a background with the CIELCh color 51, 56.017, 123.605.

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, 56.017, 123.605

Protanopia
51, 49.133, 95.315

Deuteranopia
51, 45.039, 81.828



Tritanopia
51, 9.822, 235.323

Trichromacy



Original Color
51, 56.017, 123.605

Protanomaly
51, 50.238, 106.972

Deuteranomaly
50, 45.530, 100.004

Tritanomaly
51, 21.138, 142.148

Monochromacy



Original Color
51, 56.017, 123.605

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 22.616, 125.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 56.017, 123.605 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(91, 134, 33)` looks like.

```
.text, #text, p{  
    color:rgb(91, 134, 33)  
}
```

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(91, 134, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 134, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 56.017, 123.605 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(91, 134, 33) }
```

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

```
.border{ border-color:rgb(91, 134, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 134, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 134, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 134, 33);  
box-shadow:4px 4px 4px 4px rgb(91, 134,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 56.017, 123.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 134, 33) }
```

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

```
.background{ background-color: rgb(91, 134,  
33) }
```

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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