

Converting Colors

CIELCh(50, 56.063, 123.661)

Have a look what the booklet for
CIELCh(50, 56.063, 123.661)
contains.

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Color

CIELCh(50, 55.929, 123.627)

Conversions

Conversions Part 1

Format	Color
Hex	58831E
RGB	88, 131, 30
RGB Percent	35%, 51%, 12%
CMY	0.6547, 0.4860, 0.8821
CMYK	0.33, 0.00, 0.77, 0.49
HSL	86°, 63%, 32%
HSV	86°, 77%, 51%
XYZ	12.3884, 18.4187, 4.1346
YIQ	106.6290, 6.7930, -40.5270

Conversions

Conversions Part 2

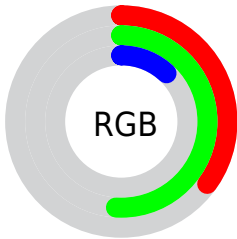
Format	Color
R_{YB}	30, 131, 73
Decimal	5800734
CIE _{Lab}	50.00, -30.97, 46.57
CIE _{LCh}	50, 55.929, 123.627
Yxy	18.4187, 0.3545, 0.5271
Android (android.graphics.Color)	4283990814 (0xFF58831E)
YUV	106.6290, -37.7781, -16.3376
Hunter-Lab	42.9170, -23.5790, 24.3300

Details

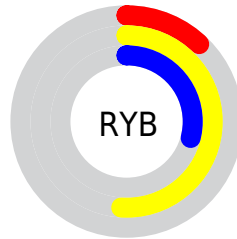
The CIELCh color **50, 55.929, 123.627** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **24, 64.283, 310.621**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 55.885, 123.687**, and **30, 47.594, 128.355** is the 20% darker color. If you saturate the color by 10%, you get **50, 60.467, 123.987**, and if you desaturate by 10%, it is **50, 50.216, 123.619**.

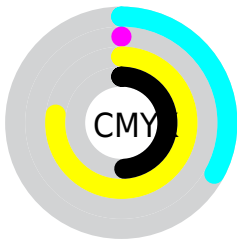
Distribution



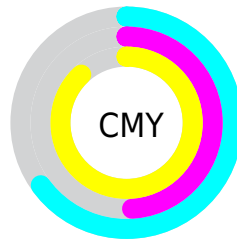
- Red (35%)
- Green (51%)
- Blue (12%)



- Red (12%)
- Yellow (51%)
- Blue (29%)



- Cyan (33%)
- Magenta (0%)
- Yellow (77%)
- Black (49%)





- Cyan (65%)
- Magenta (49%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.929, 123.627 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 50, 55.929, 123.627 by changing the saturation by 10% instead.


 50, 55.929,
123.627


 50, 55.929,
123.627


 100, 55.929,
123.627


 40, 55.929,
123.627


 70, 55.929,
123.627

 30, 55.929,
123.627


 80, 55.929,
123.627


 20, 55.929,
123.627

 90, 55.929,
123.627

 10, 55.929,
123.627

 0, 55.929, 123.627

 50, 55.929,
123.627

 50, 55.929,
123.627

■ 50, 60.467,
123.987

■ 50, 50.216,
123.619

■ 49, 63.765,
124.711

■ 51, 43.646,
123.848

■ 49, 64.701,
124.904

■ 51, 36.503,
124.222

■ 52, 28.995,
124.673

■ 53, 21.271,
125.158

■ 53, 13.434,
125.647

■ 54, 5.554, 126.127

■ 55, 2.318, 306.535

■ 56, 10.147,
306.977

Harmonies

Complementary

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



50, 55.929, 123.627



24, 64.283, 310.621

Rectangle

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



50, 55.929, 123.627



50, 55.929, 173.627



50, 55.929, 303.627



50, 55.929, 353.627

Sweetspot

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



50, 55.929, 123.628



68, 22.474, 125.331



37, 41.142, 58.352



35, 15.665, 125.176



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 55.929, 123.628



63, 76.261, 124.506



48, 63.799, 136.550



28, 4.481, 126.028



49, 64.334, 124.892



1, 1.075, 126.435

Inverse Universe

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



24, 64.283, 310.621



27, 90.051, 310.669



31, 63.205, 325.137



26, 4.548, 306.854



18, 76.654, 310.667



0, 1.075, 306.433

Previews

White Background



This preview shows how the CIELCh color 50, 55.929, 123.627 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 50, 55.929, 123.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

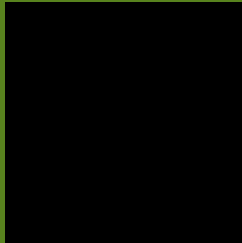
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 55.929, 123.627

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.929, 123.627.



This preview shows how white text looks on a background with the CIELCh color 50, 55.929, 123.627.

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
50, 55.929, 123.627

Protanopia
50, 48.970, 95.766

Deuteranopia
50, 45.297, 82.381



Tritanopia
50, 9.573, 236.643

Trichromacy



Original Color
50, 55.929, 123.627

Protanomaly
50, 49.752, 106.972

Deuteranomaly
49, 45.886, 100.498

Tritanomaly
49, 21.229, 142.111

Monochromacy



Original Color
50, 55.929, 123.627

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 22.680, 125.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.929, 123.627 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(88, 131, 30)` looks like.

```
.text, #text, p{  
    color:rgb(88, 131, 30)  
}
```

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(88, 131, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 131, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.929, 123.627 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(88, 131, 30) }
```

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

```
.border{ border-color:rgb(88, 131, 30) }
```

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

Here you see how a box with a 4 pixel rgb(88, 131, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 131, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 131, 30);  
box-shadow:4px 4px 4px 4px rgb(88, 131,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.929, 123.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 131, 30) }
```

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

```
.background{ background-color: rgb(88, 131,  
30) }
```

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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