

Converting Colors

CIELCh(50, 48.030, 125.822)

Have a look what the booklet for
CIELCh(50, 48.030, 125.822)
contains.

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Color

CIELCh(50, 48.011, 125.544)

Conversions

Conversions Part 1

Format	Color
Hex	5B8230
RGB	91, 130, 48
RGB Percent	36%, 51%, 19%
CMY	0.6429, 0.4900, 0.8116
CMYK	0.30, 0.00, 0.63, 0.49
HSL	89°, 46%, 35%
HSV	89°, 63%, 51%
XYZ	12.8428, 18.4187, 5.6796
YIQ	108.9910, 3.0780, -33.7700

Conversions

Conversions Part 2

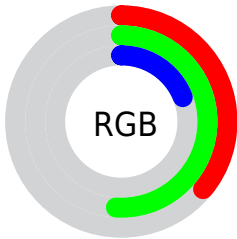
Format	Color
R_{YB}	48, 130, 87
Decimal	5997104
CIE _{Lab}	50.00, -27.91, 39.07
CIE _{LCh}	50, 48.011, 125.544
Yxy	18.4187, 0.3477, 0.4986
Android (android.graphics.Color)	4284187184 (0xFF5B8230)
YUV	108.9910, -30.0686, -15.7781
Hunter-Lab	42.9170, -21.6890, 22.1954

Details

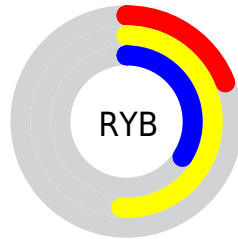
The CIELCh color $50, 48.011, 125.544$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $29, 52.957, 311.412$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 47.676, 125.430$, and $30, 46.402, 126.575$ is the 20% darker color. If you saturate the color by 10%, you get $50, 54.184, 125.442$, and if you desaturate by 10%, it is $51, 41.111, 125.842$.

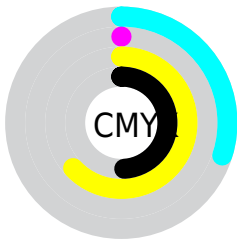
Distribution



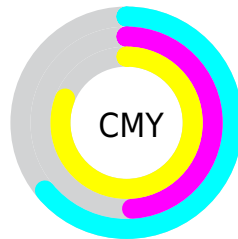
- Red (36%)
- Green (51%)
- Blue (19%)



- Red (19%)
- Yellow (51%)
- Blue (34%)



- Cyan (30%)
- Magenta (0%)
- Yellow (63%)
- Black (49%)



- Cyan (64%)
- Magenta (49%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.011, 125.544 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, 48.011, 125.544 by changing the saturation by 10% instead.


 50, 48.011,
125.544

 50, 48.011,
125.544


 100, 48.011,
125.544

 40, 48.011,
125.544


 70, 48.011,
125.544

 30, 48.011,
125.544

 80, 48.011,
125.544


 20, 48.011,
125.544

 90, 48.011,
125.544

 10, 48.011,
125.544

 0, 48.011, 125.544

 50, 48.011,
125.544

 50, 48.011,
125.544

■ 50, 54.184,
125.442

■ 51, 41.111,
125.842

■ 49, 59.318,
125.642

■ 51, 33.735,
126.249

■ 49, 63.120,
126.252

■ 52, 26.066,
126.708

■ 49, 65.377,
126.728

■ 53, 18.233,
127.181

■ 53, 10.325,
127.649

■ 54, 2.406, 128.116

■ 55, 5.479, 308.481

■ 56, 13.299,
308.870

■ 57, 21.030,
309.219

Harmonies

Complementary

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



50, 48.011, 125.544



29, 52.957, 311.412

Rectangle

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



50, 48.011, 125.544



50, 48.011, 175.544



50, 48.011, 305.544



50, 48.011, 355.544

Sweetspot

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



50, 48.012, 125.545



67, 18.558, 127.352



41, 32.443, 64.544



34, 12.711, 127.239



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 48.012, 125.545



63, 68.486, 125.490



48, 55.084, 138.583



28, 4.529, 127.828



49, 65.376, 126.728



1, 1.086, 128.212

Inverse Universe

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



29, 52.957, 311.412



32, 77.385, 311.898



35, 54.676, 326.430



26, 4.591, 308.604



19, 75.868, 311.689



0, 1.086, 308.210

Previews

White Background



This preview shows how the CIELCh color 50, 48.011, 125.544 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, 48.011, 125.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

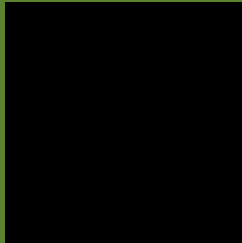
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 48.011, 125.544

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.011, 125.544.



This preview shows how white text looks on a background with the CIELCh color 50, 48.011, 125.544.

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

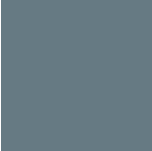
50, 48.011, 125.544

Protanopia

50, 41.484, 96.093

Deuteranopia

50, 38.289, 80.275



Tritanopia
50, 8.983, 234.848

Trichromacy



Original Color
50, 48.011, 125.544

Protanomaly
50, 42.370, 108.428

Deuteranomaly
49, 38.265, 99.402

Tritanomaly
50, 17.881, 146.226

Monochromacy



Original Color
50, 48.011, 125.544

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.697, 127.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.011, 125.544 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, 130, 48)` looks like.

```
.text, #text, p{  
    color:rgb(91, 130, 48)  
}
```

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, 130, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 130, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.011, 125.544 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, 130, 48) }
```

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

```
.border{ border-color:rgb(91, 130, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 130, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 130, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 130, 48);  
box-shadow:4px 4px 4px 4px rgb(91, 130,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.011, 125.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 130, 48) }
```

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

```
.background{ background-color: rgb(91, 130,  
48) }
```

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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