

Converting Colors

CIELCh(50, 53.454, 116.191)

Have a look what the booklet for
CIELCh(50, 53.454, 116.191)
contains.

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Color

CIELCh(50, 53.387, 116.053)

Conversions

Conversions Part 1

Format	Color
Hex	67801B
RGB	103, 128, 27
RGB Percent	40%, 50%, 11%
CMY	0.5959, 0.4978, 0.8939
CMYK	0.20, 0.00, 0.79, 0.50
HSL	75°, 65%, 30%
HSV	75°, 79%, 50%
XYZ	13.5246, 18.4187, 3.8829
YIQ	109.0110, 17.5210, -36.7110

Conversions

Conversions Part 2

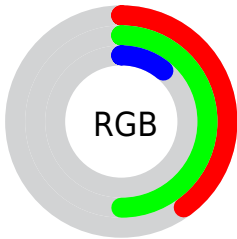
Format	Color
R_{YB}	27, 128, 52
Decimal	6783003
CIE _{Lab}	50.00, -23.45, 47.96
CIE _{LCh}	50, 53.387, 116.053
Yxy	18.4187, 0.3775, 0.5141
Android (android.graphics.Color)	4284973083 (0xFF67801B)
YUV	109.0110, -40.4314, -5.2716
Hunter-Lab	42.9170, -18.8532, 24.6776

Details

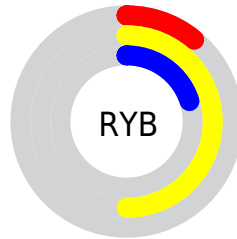
The CIELCh color **50, 53.387, 116.053** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20, 65.397, 306.776**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 53.336, 116.071**, and **30, 43.872, 120.467** is the 20% darker color. If you saturate the color by 10%, you get **50, 57.212, 116.295**, and if you desaturate by 10%, it is **50, 48.332, 116.137**.

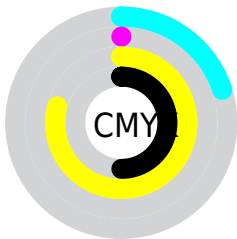
Distribution



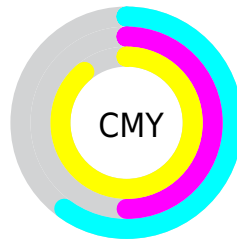
- Red (40%)
- Green (50%)
- Blue (11%)



- Red (11%)
- Yellow (50%)
- Blue (20%)



- Cyan (20%)
- Magenta (0%)
- Yellow (79%)
- Black (50%)





- Cyan (60%)
- Magenta (50%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 53.387, 116.053 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, 53.387, 116.053 by changing the saturation by 10% instead.


 50, 53.387,
116.053


 50, 53.387,
116.053


 100, 53.387,
116.053


 40, 53.387,
116.053


 70, 53.387,
116.053

 30, 53.387,
116.053


 80, 53.387,
116.053


 20, 53.387,
116.053

 90, 53.387,
116.053

 10, 53.387,
116.053

 0, 53.387, 116.053

 50, 53.387,
116.053

 50, 53.387,
116.053

■ 50, 57.212,
116.295

■ 50, 48.332,
116.137

■ 49, 59.971,
116.804

■ 51, 42.362,
116.451

■ 49, 60.287,
116.855

■ 51, 35.767,
116.915

■ 51, 28.767,
117.467

■ 52, 21.516,
118.065

■ 53, 14.118,
118.679

■ 53, 6.644, 119.292

■ 54, 0.859, 299.858

■ 54, 8.354, 300.449

Harmonies

Complementary

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



50, 53.387, 116.053



20, 65.397, 306.776

Rectangle

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



50, 53.387, 116.053



50, 53.387, 166.053



50, 53.387, 296.053



50, 53.387, 346.053

Sweetspot

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



50, 53.387, 116.055



66, 22.136, 118.329



32, 44.610, 44.064



35, 15.305, 118.144



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, 53.387, 116.055



63, 71.589, 116.791



47, 60.967, 133.050



27, 4.209, 119.278



49, 60.096, 116.850



0, 0.000, 0.000

Inverse Universe

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



20, 65.397, 306.776



22, 92.103, 307.645



27, 63.049, 319.271



25, 4.287, 300.381



15, 78.055, 307.966



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 53.387, 116.053 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, 53.387, 116.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

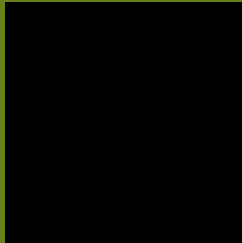
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 53.387, 116.053

Background



This preview shows how black text looks on a background with the CIELCh color 50, 53.387, 116.053.



This preview shows how white text looks on a background with the CIELCh color 50, 53.387, 116.053.

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, 53.387, 116.053

Protanopia
50, 49.731, 95.226

Deuteranopia
50, 46.737, 82.225



Tritanopia
50, 6.244, 269.293

Trichromacy



Original Color
50, 53.387, 116.053

Protanomaly
50, 49.959, 103.073

Deuteranomaly
49, 46.720, 95.652

Tritanomaly
49, 18.271, 125.567

Monochromacy



Original Color
50, 53.387, 116.053

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 21.874, 117.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 53.387, 116.053 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(103, 128, 27)` looks like.

```
.text, #text, p{  
    color:rgb(103, 128, 27)  
}
```

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(103, 128, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 128, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 53.387, 116.053 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(103, 128, 27) }
```

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

```
.border{ border-color:rgb(103, 128, 27) }
```

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

Here you see how a box with a 4 pixel rgb(103, 128, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 128, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 128, 27);  
box-shadow:4px 4px 4px 4px rgb(103, 128,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 53.387, 116.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 128, 27) }
```

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

```
.background{ background-color: rgb(103,  
128, 27) }
```

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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