

Converting Colors

CIELCh(66, 51.458, 119.089)

Have a look what the booklet for
CIELCh(66, 51.458, 119.089)
contains.

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Color

CIELCh(66, 51.386, 119.010)

Conversions

Conversions Part 1

Format	Color
Hex	8EAB4C
RGB	142, 171, 76
RGB Percent	56%, 67%, 30%
CMY	0.4437, 0.3300, 0.7025
CMYK	0.17, 0.00, 0.56, 0.33
HSL	78°, 39%, 48%
HSV	78°, 56%, 67%
XYZ	26.9616, 35.3238, 12.2081
YIQ	151.4990, 13.2110, -35.6930

Conversions

Conversions Part 2

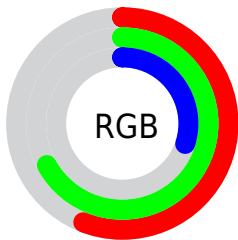
Format	Color
RYB	76, 171, 105
Decimal	9349964
CIELab	66.00, -24.92, 44.94
CIElCh	66, 51.386, 119.010
Yxy	35.3238, 0.3619, 0.4742
Android (android.graphics.Color)	4287540044 (0xFF8EAB4C)
YUV	151.4990, -37.2210, -8.3306
Hunter-Lab	59.4338, -23.0344, 29.4251

Details

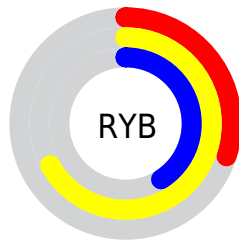
The CIELCh color **66, 51.386, 119.010** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **40, 58.115, 306.195**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 51.095, 119.138**, and **46, 51.592, 119.143** is the 20% darker color. If you saturate the color by 10%, you get **65, 59.234, 118.717**, and if you desaturate by 10%, it is **67, 42.800, 119.457**.

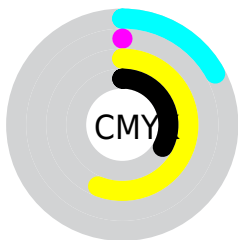
Distribution



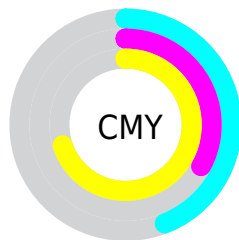
- Red (56%)
- Green (67%)
- Blue (30%)



- Red (30%)
- Yellow (67%)
- Blue (41%)



- Cyan (17%)
- Magenta (0%)
- Yellow (56%)
- Black (33%)





- Cyan (44%)
- Magenta (33%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 51.386, 119.010 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 66, 51.386, 119.010 by changing the saturation by 10% instead.


 66, 51.386,
119.010


 66, 51.386,
119.010


 100, 51.386,
119.010


 56, 51.386,
119.010


 86, 51.386,
119.010

 46, 51.386,
119.010

 96, 51.386,
119.010

 36, 51.386,
119.010

 26, 51.386,
119.010

 16, 51.386,
119.010

 6, 51.386, 119.010

 0, 51.386, 119.010

66, 51.386,
119.010

66, 51.386,
119.010

65, 59.234,
118.717

67, 42.800,
119.457

65, 65.972,
118.662

67, 33.744,
119.985

65, 71.184,
118.955

68, 24.407,
120.553

64, 74.581,
119.680

69, 14.915,
121.130

64, 75.796,
120.051

69, 5.353, 121.702

70, 4.219, 302.227

71, 13.758,
302.751

72, 23.236,
303.236

■ 73, 32.630,
303.687

Harmonies

Complementary

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



66, 51.386, 119.010



40, 58.115, 306.195

Rectangle

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



66, 51.386, 119.010



66, 51.386, 169.010



66, 51.386, 299.010



66, 51.386, 349.010

Sweetspot

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



66, 51.387, 119.012



87, 20.096, 121.032



51, 36.061, 48.960



46, 13.544, 120.920



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



66, 51.387, 119.012



83, 74.250, 118.675



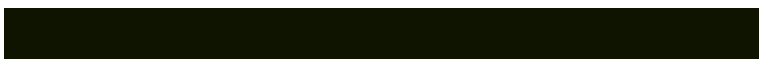
63, 58.819, 135.573



35, 5.347, 121.492



56, 68.097, 119.881



6, 9.911, 124.793

Inverse Universe

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



40, 58.115, 306.195



44, 87.078, 307.294



45, 59.989, 321.072



33, 5.444, 302.534



19, 86.252, 308.559



1, 9.736, 300.394

Previews

White Background



This preview shows how the CIELCh color 66, 51.386, 119.010 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 66, 51.386, 119.010 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 ✓ Pass

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

CIELCh 66, 51.386, 119.010

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.386, 119.010.



This preview shows how white text looks on a background with the CIELCh color 66, 51.386, 119.010.

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
66, 51.386, 119.010

Protanopia
66, 47.049, 95.293

Deuteranopia
66, 44.155, 78.518



Tritanopia
66, 7.074, 269.700

Trichromacy



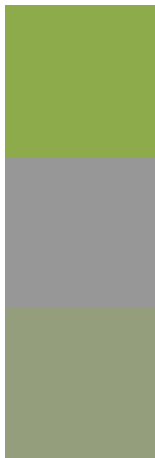
Original Color
66, 51.386, 119.010

Protanomaly
66, 47.562, 104.582

Deuteranomaly
66, 43.738, 94.933

Tritanomaly
66, 16.037, 130.288

Monochromacy



Original Color
66, 51.386, 119.010

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 19.242, 120.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.386, 119.010 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(142, 171, 76)` looks like.

```
.text, #text, p{  
    color:rgb(142, 171, 76)  
}
```

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(142, 171, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 171, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.386, 119.010 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(142, 171, 76) }
```

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

```
.border{ border-color:rgb(142, 171, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 171, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 171, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 171, 76);  
box-shadow:4px 4px 4px 4px rgb(142, 171,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.386, 119.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 171, 76) }
```

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

```
.background{ background-color: rgb(142,  
171, 76) }
```

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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