

Converting Colors

CIELCh(66, 46.040, 119.754)

Have a look what the booklet for
CIELCh(66, 46.040, 119.754)
contains.

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Color

CIELCh(66, 46.104, 119.942)

Conversions

Conversions Part 1

Format	Color
Hex	8FAA56
RGB	143, 170, 86
RGB Percent	56%, 67%, 34%
CMY	0.4387, 0.3328, 0.6623
CMYK	0.16, 0.00, 0.49, 0.33
HSL	79°, 33%, 50%
HSV	79°, 49%, 67%
XYZ	27.4343, 35.3238, 14.2021
YIQ	152.3510, 10.8720, -31.8480

Conversions

Conversions Part 2

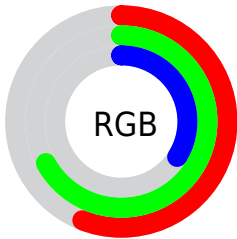
Format	Color
RYB	86, 170, 113
Decimal	9415254
CIELab	66.00, -23.01, 39.95
CIELCh	66, 46.104, 119.942
Yxy	35.3238, 0.3565, 0.4590
Android (android.graphics.Color)	4287605334 (0xFF8FAA56)
YUV	152.3510, -32.7110, -8.2008
Hunter-Lab	59.4338, -21.6148, 27.4359

Details

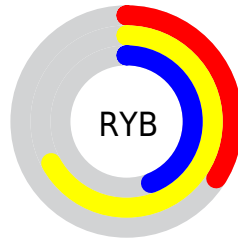
The CIELCh color **66, 46.104, 119.942** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **43, 51.131, 306.109**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 45.748, 119.983**, and **46, 45.977, 119.893** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.460, 119.558**, and if you desaturate by 10%, it is **67, 37.195, 120.435**.

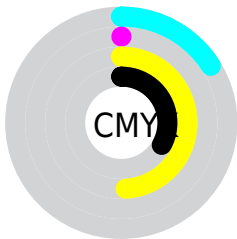
Distribution



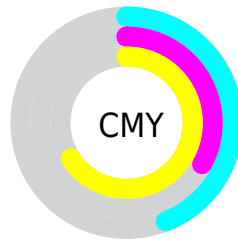
- Red (56%)
- Green (67%)
- Blue (34%)



- Red (34%)
- Yellow (67%)
- Blue (44%)



- Cyan (16%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)





- Cyan (44%)
- Magenta (33%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 46.104, 119.942 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, 46.104, 119.942 by changing the saturation by 10% instead.


 66, 46.104,
119.942


 66, 46.104,
119.942


 100, 46.104,
119.942


 56, 46.104,
119.942


 86, 46.104,
119.942

 46, 46.104,
119.942

 96, 46.104,
119.942

 36, 46.104,
119.942

 26, 46.104,
119.942

 16, 46.104,
119.942

 6, 46.104, 119.942

 0, 46.104, 119.942

■ 66, 46.104,
119.942

■ 66, 46.104,
119.942

■ 65, 54.460,
119.558

■ 67, 37.195,
120.435

■ 65, 61.953,
119.356

■ 67, 27.945,
120.980

■ 64, 68.189,
119.435

■ 68, 18.501,
121.543

■ 64, 72.768,
119.907

■ 69, 8.963, 122.104

■ 64, 75.758,
120.756

■ 70, 0.602, 302.555

■ 64, 75.935,
120.808

■ 71, 10.147,
303.145

■ 72, 19.636,
303.629

■ 73, 29.046,
304.078

■ 74, 38.357,
304.493

Harmonies

Complementary

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



66, 46.104, 119.942



43, 51.131, 306.109

Rectangle

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



66, 46.104, 119.942



66, 46.104, 169.942



66, 46.104, 299.942



66, 46.104, 349.942

Sweetspot

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



66, 46.105, 119.944



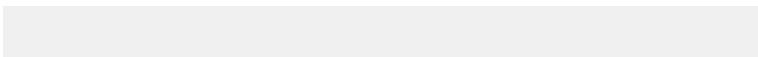
87, 17.785, 121.774



53, 31.022, 50.735



46, 12.228, 121.659



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, 46.105, 119.944



83, 67.051, 119.538



64, 52.818, 136.411



35, 5.360, 122.109



56, 68.430, 120.638



5, 9.942, 125.421

Inverse Universe

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



43, 51.131, 306.109



49, 76.523, 307.025



48, 53.706, 321.395



33, 5.457, 303.122



19, 86.006, 308.783



1, 9.754, 300.919

Previews

White Background



This preview shows how the CIELCh color 66, 46.104, 119.942 looks on a white background.

Color Contrast Check

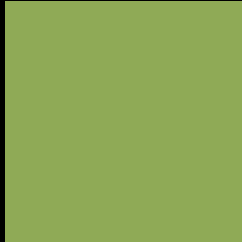
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 46.104, 119.942 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, 46.104, 119.942

Background



This preview shows how black text looks on a background with the CIELCh color 66, 46.104, 119.942.



This preview shows how white text looks on a background with the CIELCh color 66, 46.104, 119.942.

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](#).

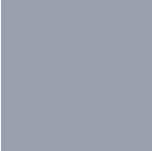
Dichromacy



Original Color
66, 46.104, 119.942

Protanopia
66, 42.148, 95.387

Deuteranopia
66, 39.658, 78.182



Tritanopia
66, 7.492, 273.944

Trichromacy



Original Color
66, 46.104, 119.942

Protanomaly
66, 42.744, 105.039

Deuteranomaly
66, 38.694, 94.889

Tritanomaly
66, 13.863, 132.190

Monochromacy



Original Color
66, 46.104, 119.942

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 17.618, 121.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 46.104, 119.942 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(143, 170, 86)` looks like.

```
.text, #text, p{  
    color:rgb(143, 170, 86)  
}
```

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(143, 170, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 170, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 46.104, 119.942 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(143, 170, 86) }
```

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

```
.border{ border-color:rgb(143, 170, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 170, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 170, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 170, 86);  
box-shadow:4px 4px 4px 4px rgb(143, 170,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 46.104, 119.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 170, 86) }
```

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

```
.background{ background-color: rgb(143,  
170, 86) }
```

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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