

Converting Colors

CIELCh(42, 34.710, 118.852)

Have a look what the booklet for
CIELCh(42, 34.710, 118.852)
contains.

CIELCh(42, 34.946, 119.098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 34.946, 119.098)

Conversions

Conversions Part 1

Format	Color
Hex	586A2F
RGB	88, 106, 47
RGB Percent	35%, 42%, 18%
CMY	0.6562, 0.5856, 0.8169
CMYK	0.17, 0.00, 0.56, 0.59
HSL	78°, 39%, 30%
HSV	78°, 56%, 41%
XYZ	9.6189, 12.5000, 4.5620
YIQ	93.8920, 8.2110, -22.1650

Conversions

Conversions Part 2

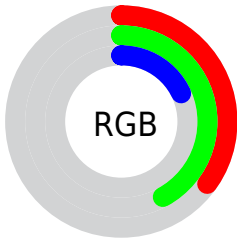
Format	Color
RYB	47, 106, 65
Decimal	5794351
CIELab	42.00, -16.99, 30.54
CIELCh	42, 34.946, 119.098
Yxy	12.5000, 0.3605, 0.4685
Android (android.graphics.Color)	4283984431 (0xFF586A2F)
YUV	93.8920, -23.1178, -5.1673
Hunter-Lab	35.3553, -13.3083, 17.0983

Details

The CIELCh color **42, 34.946, 119.098** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 39.274, 305.987**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 34.737, 119.171**, and **22, 34.873, 119.735** is the 20% darker color. If you saturate the color by 10%, you get **42, 40.387, 118.774**, and if you desaturate by 10%, it is **42, 29.075, 119.546**.

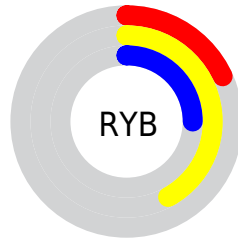
Distribution



Red (35%)

Green (42%)

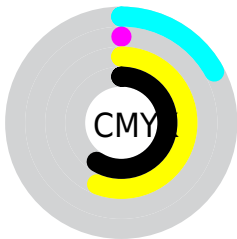
Blue (18%)



Red (18%)

Yellow (42%)

Blue (25%)

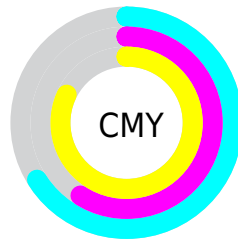


Cyan (17%)

Magenta (0%)

Yellow (56%)

Black (59%)



Cyan (66%)

Magenta (59%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 34.946, 119.098 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 42, 34.946, 119.098 by changing the saturation by 10% instead.


 42, 34.946,
119.098

 42, 34.946,
119.098


 100, 34.946,
119.098

 32, 34.946,
119.098

 62, 34.946,
119.098


 22, 34.946,
119.098

 72, 34.946,
119.098

 12, 34.946,
119.098

 82, 34.946,
119.098

 2, 34.946, 119.098

 92, 34.946,
119.098

 0, 34.946, 119.098

 42, 34.946,

 42, 34.946,

119.098

■ 42, 40.387,
118.774

■ 41, 45.184,
118.644

■ 41, 49.081,
118.798

■ 41, 52.054,
119.240

■ 41, 53.310,
119.389

119.098

■ 42, 29.075,
119.546

■ 43, 22.927,
120.060

■ 43, 16.611,
120.604

■ 44, 10.202,
121.156

■ 44, 3.751, 121.702

■ 45, 2.707, 302.202

■ 46, 9.145, 302.705

■ 46, 15.545,
303.172

■ 47, 21.892,

Harmonies

Complementary

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



42, 34.946, 119.098



24, 39.274, 305.987

Rectangle

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



42, 34.946, 119.098



42, 34.946, 169.098



42, 34.946, 299.098



42, 34.946, 349.098

Sweetspot

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



42, 34.947, 119.100



56, 13.625, 121.064



32, 24.221, 49.003



28, 9.043, 120.990



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 34.947, 119.100



54, 50.696, 118.710



40, 39.989, 135.723



22, 3.666, 121.530



45, 57.475, 119.556



89, 99.425, 120.389

Inverse Universe

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



24, 39.274, 305.987



27, 59.039, 307.094



28, 40.780, 321.006



20, 3.729, 302.488



14, 72.748, 308.771



34, 126.052, 308.237

Previews

White Background



This preview shows how the CIELCh color 42, 34.946, 119.098 looks on a white 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

Black Background



This preview shows how the CIELCh color 42, 34.946, 119.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

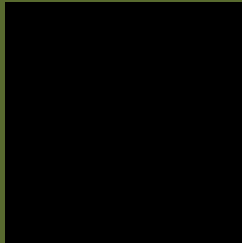
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 34.946, 119.098

Background



This preview shows how black text looks on a background with the CIELCh color 42, 34.946, 119.098.



This preview shows how white text looks on a background with the CIELCh color 42, 34.946, 119.098.

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


42, 34.946, 119.098

Protanopia

42, 31.952, 95.722

Deuteranopia

42, 29.870, 78.758



Tritanopia
42, 5.062, 272.546

Trichromacy



Original Color
42, 34.946, 119.098

Protanomaly
42, 31.903, 104.497

Deuteranomaly
42, 29.435, 94.353

Tritanomaly
42, 10.399, 130.584

Monochromacy



Original Color
42, 34.946, 119.098

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 12.936, 120.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 34.946, 119.098 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, 106, 47)` looks like.

```
.text, #text, p{  
    color:rgb(88, 106, 47)  
}
```

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, 106, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 106, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 34.946, 119.098 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, 106, 47) }
```

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

```
.border{ border-color:rgb(88, 106, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 106, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 106, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 106, 47);  
box-shadow:4px 4px 4px 4px rgb(88, 106,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 34.946, 119.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 106, 47) }
```

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

```
.background{ background-color: rgb(88, 106,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor