

Converting Colors

CIELCh(59, 46.680, 111.580)

Have a look what the booklet for
CIELCh(59, 46.680, 111.580)
contains.

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Color

CIELCh(59, 46.809, 111.455)

Conversions

Conversions Part 1

Format	Color
Hex	89953E
RGB	137, 149, 62
RGB Percent	54%, 58%, 24%
CMY	0.4640, 0.4169, 0.7581
CMYK	0.08, 0.00, 0.59, 0.42
HSL	68°, 41%, 41%
HSV	68°, 59%, 58%
XYZ	21.8198, 27.0277, 8.5802
YIQ	135.4940, 20.7750, -29.6010

Conversions

Conversions Part 2

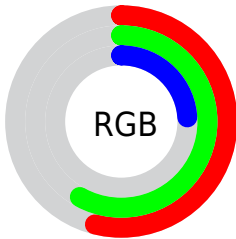
Format	Color
RYB	62, 149, 74
Decimal	9016638
CIELab	59.00, -17.12, 43.57
CIELCh	59, 46.809, 111.455
Yxy	27.0277, 0.3800, 0.4706
Android (android.graphics.Color)	4287206718 (0xFF89953E)
YUV	135.4940, -36.2325, 1.3208
Hunter-Lab	51.9882, -16.0618, 26.6065

Details

The CIELCh color $59, 46.809, 111.455$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $32, 54.751, 302.090$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $79, 46.710, 111.552$, and $39, 46.735, 110.982$ is the 20% darker color. If you saturate the color by 10%, you get $59, 53.339, 110.991$, and if you desaturate by 10%, it is $59, 39.531, 112.059$.

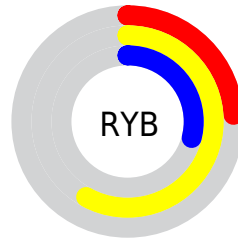
Distribution



Red (54%)

Green (58%)

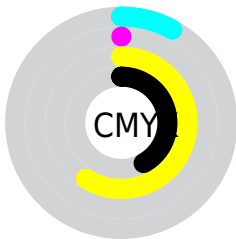
Blue (24%)



Red (24%)

Yellow (58%)

Blue (29%)

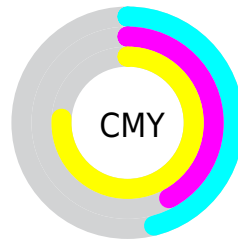


Cyan (8%)

Magenta (0%)

Yellow (59%)

Black (42%)



Cyan (46%)


Magenta (42%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 46.809, 111.455 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 59, 46.809, 111.455 by changing the saturation by 10% instead.


 59, 46.809,
111.455


 59, 46.809,
111.455


 100, 46.809,
111.455

 49, 46.809,
111.455


 79, 46.809,
111.455

 39, 46.809,
111.455

 89, 46.809,
111.455

 29, 46.809,
111.455

 99, 46.809,
111.455

 19, 46.809,
111.455

 9, 46.809, 111.455

 0, 46.809, 111.455

■ 59, 46.809,
111.455

■ 59, 46.809,
111.455

■ 59, 53.339,
110.991

■ 59, 39.531,
112.059

■ 58, 58.772,
110.729

■ 60, 31.768,
112.745

■ 58, 62.742,
110.742

■ 60, 23.703,
113.476

■ 58, 65.276,
111.027

■ 61, 15.461,
114.225

■ 58, 65.637,
111.070

■ 61, 7.121, 114.971

■ 62, 1.262, 295.711

■ 62, 9.649, 296.412

■ 63, 18.015,
297.088

■ 64, 26.340,
297.731

Harmonies

Complementary

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



59, 46.809, 111.455



32, 54.751, 302.090

Rectangle

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



59, 46.809, 111.455



59, 46.809, 161.455



59, 46.809, 291.455



59, 46.809, 341.455

Sweetspot

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



59, 46.810, 111.457



77, 18.667, 114.235



40, 37.384, 35.191



40, 12.921, 114.035



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



59, 46.810, 111.457



75, 66.969, 110.890



56, 52.396, 130.897



31, 4.709, 114.919



54, 62.058, 111.017



3, 4.136, 115.594

Inverse Universe

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



32, 54.751, 302.090



35, 82.274, 304.003



37, 55.322, 315.977



29, 4.806, 296.311



15, 83.751, 306.943



0, 4.137, 295.594

Previews

White Background



This preview shows how the CIELCh color 59, 46.809, 111.455 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 59, 46.809, 111.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

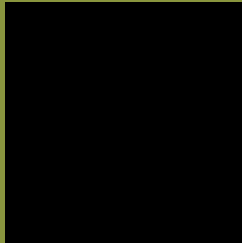
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 46.809, 111.455

Background



This preview shows how black text looks on a background with the CIELCh color 59, 46.809, 111.455.



This preview shows how white text looks on a background with the CIELCh color 59, 46.809, 111.455.

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

59, 46.809, 111.455

Protanopia

59, 44.994, 95.531

Deuteranopia

59, 42.886, 79.932



Tritanopia
59, 6.677, 310.927

Trichromacy



Original Color
59, 46.809, 111.455

Protanomaly
59, 44.818, 101.443

Deuteranomaly
59, 42.722, 92.163

Tritanomaly
59, 13.507, 108.604

Monochromacy



Original Color
59, 46.809, 111.455

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 18.130, 113.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 46.809, 111.455 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(137, 149, 62)` looks like.

```
.text, #text, p{  
    color:rgb(137, 149, 62)  
}
```

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(137, 149, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 149, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 46.809, 111.455 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(137, 149, 62) }
```

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

```
.border{ border-color:rgb(137, 149, 62) }
```

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

Here you see how a box with a 4 pixel rgb(137, 149, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 149, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 149, 62);  
box-shadow:4px 4px 4px 4px rgb(137, 149,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 46.809, 111.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 149, 62) }
```

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

```
.background{ background-color: rgb(137,  
149, 62) }
```

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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