

Converting Colors

CIELCh(58, 46.467, 112.049)

Have a look what the booklet for
CIELCh(58, 46.467, 112.049)
contains.

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Color

CIELCh(58, 46.467, 112.049)

Conversions

Conversions Part 1

Format	Color
Hex	85923C
RGB	133, 146, 60
RGB Percent	52%, 57%, 24%
CMY	0.4775, 0.4266, 0.7639
CMYK	0.09, 0.00, 0.59, 0.43
HSL	69°, 42%, 40%
HSV	69°, 59%, 57%
XYZ	20.8442, 25.9610, 8.2170
YIQ	132.3090, 19.8580, -29.5020

Conversions

Conversions Part 2

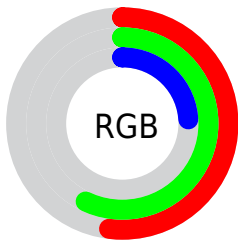
Format	Color
RYB	60, 146, 73
Decimal	8753724
CIELab	58.00, -17.44, 43.07
CIELCh	58, 46.467, 112.049
Yxy	25.9610, 0.3788, 0.4718
Android (android.graphics.Color)	4286943804 (0xFF85923C)
YUV	132.3090, -35.6483, 0.6060
Hunter-Lab	50.9519, -16.1424, 26.1047

Details

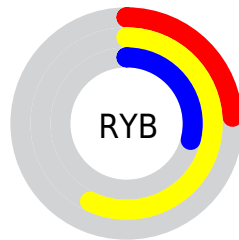
The CIELCh color $58, 46.467, 112.049$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $31, 54.309, 302.439$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 46.363, 112.111$, and $38, 46.705, 112.149$ is the 20% darker color. If you saturate the color by 10%, you get $58, 52.905, 111.611$, and if you desaturate by 10%, it is $58, 39.288, 112.631$.

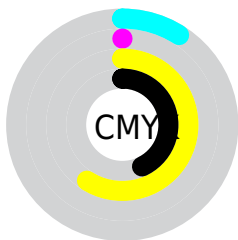
Distribution



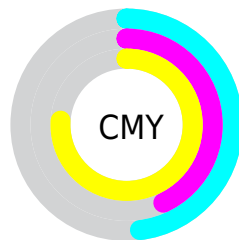
- Red (52%)
- Green (57%)
- Blue (24%)



- Red (24%)
- Yellow (57%)
- Blue (29%)



- Cyan (9%)
- Magenta (0%)
- Yellow (59%)
- Black (43%)



- Cyan (48%)
- Magenta (43%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 46.467, 112.049 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 58, 46.467, 112.049 by changing the saturation by 10% instead.

 58, 46.467,
112.049


 58, 46.467,
112.049


 100, 46.467,
112.049


 48, 46.467,
112.049


 78, 46.467,
112.049

 38, 46.467,
112.049

 88, 46.467,
112.049

 28, 46.467,
112.049

 98, 46.467,
112.049

 18, 46.467,
112.049

 8, 46.467, 112.049

 0, 46.467, 112.049

■ 58, 46.467,
112.049

■ 58, 46.467,
112.049

■ 58, 52.905,
111.611

■ 58, 39.288,
112.631

■ 57, 58.257,
111.381

■ 59, 31.627,
113.298

■ 57, 62.163,
111.436

■ 59, 23.666,
114.010

■ 57, 64.701,
111.761

■ 60, 15.528,
114.741

■ 57, 64.992,
111.799

■ 60, 7.293, 115.470

■ 61, 0.985, 296.190

■ 61, 9.267, 296.875

■ 62, 17.527,
297.535

■ 63, 25.746,
298.162

Harmonies

Complementary

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



58, 46.467, 112.049



31, 54.309, 302.439

Rectangle

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



58, 46.467, 112.049



58, 46.467, 162.049



58, 46.467, 292.049



58, 46.467, 342.049

Sweetspot

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



58, 46.468, 112.051



76, 18.487, 114.773



40, 36.705, 36.436



40, 12.935, 114.577



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 46.468, 112.051



74, 67.068, 111.498



55, 52.201, 131.388



31, 4.714, 115.442



54, 62.200, 111.753



3, 4.140, 116.100

Inverse Universe

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



31, 54.309, 302.439



34, 82.504, 304.377



36, 54.919, 316.495



29, 4.811, 296.800



15, 83.638, 307.032



0, 4.141, 296.101

Previews

White Background



This preview shows how the CIELCh color 58, 46.467, 112.049 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 58, 46.467, 112.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

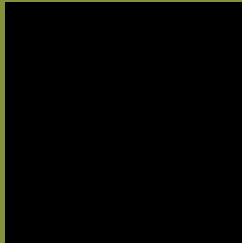
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 46.467, 112.049

Background



This preview shows how black text looks on a background with the CIELCh color 58, 46.467, 112.049.



This preview shows how white text looks on a background with the CIELCh color 58, 46.467, 112.049.

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


58, 46.467, 112.049

Protanopia

58, 44.597, 95.370

Deuteranopia

58, 42.559, 79.571



Tritanopia
58, 6.703, 310.933

Trichromacy



Original Color
58, 46.467, 112.049

Protanomaly
58, 44.829, 101.961

Deuteranomaly
58, 41.854, 91.869

Tritanomaly
58, 13.568, 110.323

Monochromacy



Original Color
58, 46.467, 112.049

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 17.669, 114.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 46.467, 112.049 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(133, 146, 60)` looks like.

```
.text, #text, p{  
    color:rgb(133, 146, 60)  
}
```

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(133, 146, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 146, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 46.467, 112.049 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(133, 146, 60) }
```

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

```
.border{ border-color:rgb(133, 146, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 146, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 146, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 146, 60);  
box-shadow:4px 4px 4px 4px rgb(133, 146,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 46.467, 112.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 146, 60) }
```

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

```
.background{ background-color: rgb(133,  
146, 60) }
```

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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