

Converting Colors

CIELCh(58, 32.709, 117.758)

Have a look what the booklet for
CIELCh(58, 32.709, 117.758)
contains.

CIELCh(58, 32.754, 117.854)	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(58, 32.754, 117.854)

Conversions

Conversions Part 1

Format	Color
Hex	839258
RGB	131, 146, 88
RGB Percent	51%, 57%, 35%
CMY	0.4875, 0.4287, 0.6561
CMYK	0.10, 0.00, 0.40, 0.43
HSL	76°, 25%, 46%
HSV	76°, 40%, 57%
XYZ	21.2912, 25.9610, 13.0574
YIQ	134.9030, 9.6780, -21.2180

Conversions

Conversions Part 2

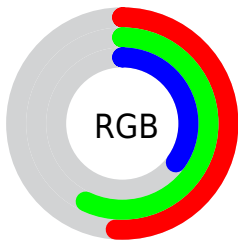
Format	Color
R_{YB}	88, 146, 103
Decimal	8622680
CIE _{Lab}	58.00, -15.30, 28.96
CIE _{LCh}	58, 32.754, 117.854
Yxy	25.9610, 0.3530, 0.4305
Android (android.graphics.Color)	4286812760 (0xFF839258)
YUV	134.9030, -23.1232, -3.4229
Hunter-Lab	50.9519, -14.5763, 20.4721

Details

The CIELCh color $58, 32.754, 117.854$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $41, 35.671, 303.265$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 32.653, 117.829$, and $38, 33.004, 118.462$ is the 20% darker color. If you saturate the color by 10%, you get $58, 40.499, 117.318$, and if you desaturate by 10%, it is $59, 24.710, 118.446$.

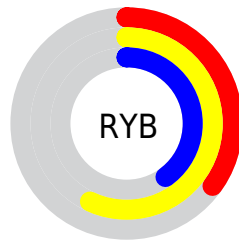
Distribution



Red (51%)

Green (57%)

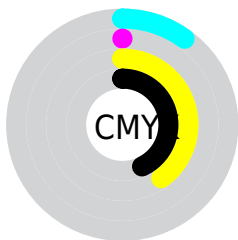
Blue (35%)



Red (35%)

Yellow (57%)

Blue (40%)

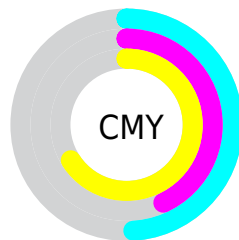


Cyan (10%)

Magenta (0%)

Yellow (40%)

Black (43%)



Cyan (49%)

Magenta (43%)


Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 32.754, 117.854 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, 32.754, 117.854 by changing the saturation by 10% instead.


 58, 32.754,
117.854

 58, 32.754,
117.854


 100, 32.754,
117.854

 48, 32.754,
117.854


 78, 32.754,
117.854

 38, 32.754,
117.854

 88, 32.754,
117.854

 28, 32.754,
117.854

 98, 32.754,
117.854

 18, 32.754,
117.854

 8, 32.754, 117.854

 0, 32.754, 117.854

■ 58, 32.754,
117.854

■ 58, 32.754,
117.854

■ 58, 40.499,
117.318

■ 59, 24.710,
118.446

■ 57, 47.755,
116.880

■ 59, 16.488,
119.057

■ 57, 54.262,
116.610

■ 60, 8.173, 119.666

■ 56, 59.678,
116.596

■ 60, 0.176, 300.105

■ 61, 8.519, 300.818

■ 56, 63.653,
116.934

■ 62, 16.827,
301.357

■ 56, 66.398,
117.566

■ 63, 25.079,
301.862

■ 56, 66.453,
117.578

■ 64, 33.260,
302.334

■ 65, 41.356,
302.772

Harmonies

Complementary

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



58, 32.754, 117.854



41, 35.671, 303.265

Rectangle

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



58, 32.754, 117.854



58, 32.754, 167.854



58, 32.754, 297.854



58, 32.754, 347.854

Sweetspot

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



58, 32.755, 117.856



75, 12.359, 119.518



47, 21.726, 44.281



39, 8.170, 119.450



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



58, 32.755, 117.856



73, 48.262, 117.359



56, 37.103, 135.275



31, 4.770, 119.701



53, 63.757, 117.512



2, 4.187, 120.242

Inverse Universe

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



41, 35.671, 303.265



48, 53.875, 304.162



44, 37.948, 318.954



29, 4.860, 300.811



16, 82.450, 308.031



0, 4.188, 300.241

Previews

White Background



This preview shows how the CIELCh color 58, 32.754, 117.854 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 CIE LCh color 58, 32.754, 117.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

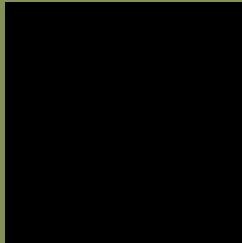
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

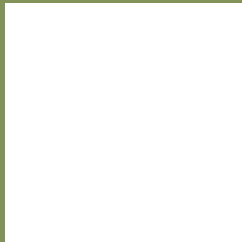
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 32.754, 117.854

Background



This preview shows how black text looks on a background with the CIELCh color 58, 32.754, 117.854.



This preview shows how white text looks on a background with the CIELCh color 58, 32.754, 117.854.

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, 32.754, 117.854

Protanopia

58, 30.739, 95.690

Deuteranopia

58, 28.510, 75.011



Tritanopia
58, 6.282, 294.372

Trichromacy



Original Color
58, 32.754, 117.854

Protanomaly
58, 30.640, 104.063

Deuteranomaly
58, 27.907, 92.209

Tritanomaly
58, 8.189, 123.436

Monochromacy



Original Color
58, 32.754, 117.854

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 12.168, 120.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 32.754, 117.854 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(131, 146, 88)` looks like.

```
.text, #text, p{  
    color:rgb(131, 146, 88)  
}
```

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(131, 146, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 146, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 32.754, 117.854 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(131, 146, 88) }
```

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

```
.border{ border-color:rgb(131, 146, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 146, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 146, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 146, 88);  
box-shadow:4px 4px 4px 4px rgb(131, 146,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 32.754, 117.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 146, 88) }
```

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

```
.background{ background-color: rgb(131,  
146, 88) }
```

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