

Converting Colors

CIELCh(58, 33.505, 116.707)

Have a look what the booklet for
CIELCh(58, 33.505, 116.707)
contains.

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Color

CIELCh(58, 33.704, 116.706)

Conversions

Conversions Part 1

Format	Color
Hex	849256
RGB	132, 146, 86
RGB Percent	52%, 57%, 34%
CMY	0.4840, 0.4291, 0.6643
CMYK	0.10, 0.00, 0.41, 0.43
HSL	74°, 26%, 45%
HSV	74°, 41%, 57%
XYZ	21.3241, 25.9610, 12.6062
YIQ	134.9740, 10.9160, -21.6280

Conversions

Conversions Part 2

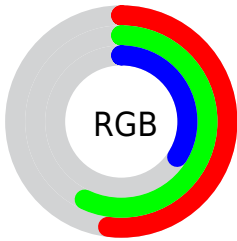
Format	Color
R_{YB}	86, 146, 100
Decimal	8688214
CIE _{Lab}	58.00, -15.15, 30.11
CIE _{LCh}	58, 33.704, 116.706
Yxy	25.9610, 0.3560, 0.4335
Android (android.graphics.Color)	4286878294 (0xFF849256)
YUV	134.9740, -24.1442, -2.6082
Hunter-Lab	50.9519, -14.4610, 20.9972

Details

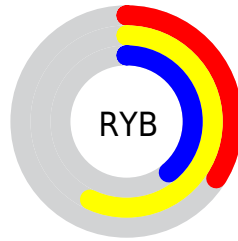
The CIELCh color **58, 33.704, 116.706** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **40, 36.933, 302.608**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 33.588, 116.780**, and **38, 33.900, 117.189** is the 20% darker color. If you saturate the color by 10%, you get **58, 41.348, 116.156**, and if you desaturate by 10%, it is **59, 25.736, 117.318**.

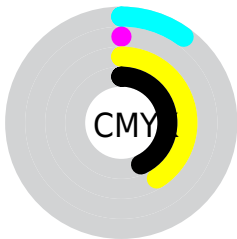
Distribution



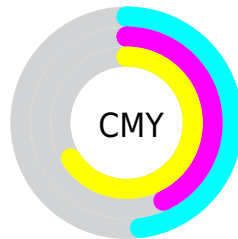
- Red (52%)
- Green (57%)
- Blue (34%)



- Red (34%)
- Yellow (57%)
- Blue (39%)



- Cyan (10%)
- Magenta (0%)
- Yellow (41%)
- Black (43%)





- Cyan (48%)
- Magenta (43%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.704, 116.706 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, 33.704, 116.706 by changing the saturation by 10% instead.


 58, 33.704,
116.706


 58, 33.704,
116.706


 100, 33.704,
116.706


 48, 33.704,
116.706


 78, 33.704,
116.706

 38, 33.704,
116.706

 88, 33.704,
116.706

 28, 33.704,
116.706

 98, 33.704,
116.706

 18, 33.704,
116.706

 8, 33.704, 116.706

 0, 33.704, 116.706

■ 58, 33.704,
116.706

■ 58, 33.704,
116.706

■ 58, 41.348,
116.156

■ 59, 25.736,
117.318

■ 57, 48.470,
115.709

■ 59, 17.572,
117.952

■ 57, 54.793,
115.438

■ 60, 9.303, 118.588

■ 56, 59.969,
115.427

■ 60, 0.990, 119.226

■ 61, 7.327, 299.802

■ 56, 63.658,
115.769

■ 62, 15.616,
300.372

■ 56, 65.972,
116.280

■ 63, 23.856,
300.908

■ 63, 32.031,
301.411

■ 64, 40.127,
301.879

Harmonies

Complementary

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



58, 33.704, 116.706



40, 36.933, 302.608

Rectangle

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



58, 33.704, 116.706



58, 33.704, 166.706



58, 33.704, 296.706



58, 33.704, 346.706

Sweetspot

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



58, 33.705, 116.708



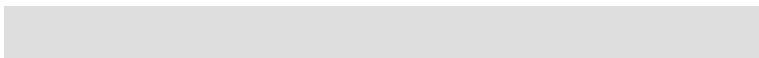
76, 12.317, 118.522



47, 22.785, 42.633



39, 8.143, 118.451



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, 33.705, 116.708



73, 48.991, 116.217



56, 38.152, 134.716



31, 4.755, 118.713



53, 63.336, 116.219



2, 4.174, 119.279

Inverse Universe

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



40, 36.933, 302.608



47, 55.035, 303.535



43, 39.130, 318.488



29, 4.847, 299.876



16, 82.767, 307.752



0, 4.175, 299.278

Previews

White Background



This preview shows how the CIELCh color 58, 33.704, 116.706 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, 33.704, 116.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

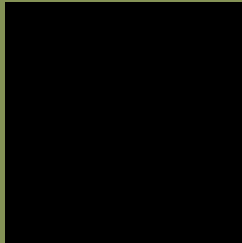
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.704, 116.706

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.704, 116.706.



This preview shows how white text looks on a background with the CIELCh color 58, 33.704, 116.706.

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, 33.704, 116.706

Protanopia

58, 31.796, 95.894

Deuteranopia

58, 30.227, 75.663



Tritanopia
58, 6.321, 297.813

Trichromacy



Original Color
58, 33.704, 116.706

Protanomaly
58, 31.730, 103.209

Deuteranomaly
58, 29.621, 91.911

Tritanomaly
58, 8.648, 119.925

Monochromacy



Original Color
58, 33.704, 116.706

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 12.642, 118.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.704, 116.706 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(132, 146, 86)` looks like.

```
.text, #text, p{  
    color:rgb(132, 146, 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(132, 146, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 146, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.704, 116.706 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(132, 146, 86) }
```

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

```
.border{ border-color:rgb(132, 146, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 146, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 146, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 146, 86);  
box-shadow:4px 4px 4px 4px rgb(132, 146,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.704, 116.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 146, 86) }
```

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

```
.background{ background-color: rgb(132,  
146, 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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