

Converting Colors

CIELCh(58, 28.820, 145.741)

Have a look what the booklet for
CIELCh(58, 28.820, 145.741)
contains.

CIELCh(58, 28.826, 145.501)	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, 28.826, 145.501)

Conversions

Conversions Part 1

Format	Color
Hex	69966E
RGB	105, 150, 110
RGB Percent	41%, 59%, 43%
CMY	0.5880, 0.4116, 0.5684
CMYK	0.30, 0.00, 0.27, 0.41
HSL	127°, 18%, 50%
HSV	127°, 30%, 59%
XYZ	19.5622, 25.9610, 18.7448
YIQ	131.9850, -13.9800, -21.9800

Conversions

Conversions Part 2

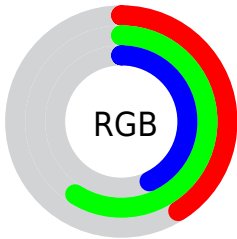
Format	Color
R_{YB}	105, 146, 150
Decimal	6919790
CIE _{Lab}	58.00, -23.76, 16.33
CIE _{LCh}	58, 28.826, 145.501
Yxy	25.9610, 0.3044, 0.4039
Android (android.graphics.Color)	4285109870 (0xFF69966E)
YUV	131.9850, -10.8386, -23.6658
Hunter-Lab	50.9519, -20.6337, 13.8541

Details

The CIELCh color $58, 28.826, 145.501$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $50, 28.865, 329.327$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 28.552, 145.900$, and $38, 28.895, 145.242$ is the 20% darker color. If you saturate the color by 10%, you get $57, 38.242, 144.555$, and if you desaturate by 10%, it is $59, 19.215, 146.321$.

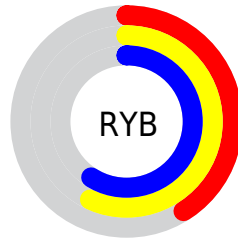
Distribution



Red (41%)

Green (59%)

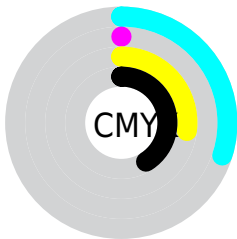
Blue (43%)



Red (41%)

Yellow (57%)

Blue (59%)

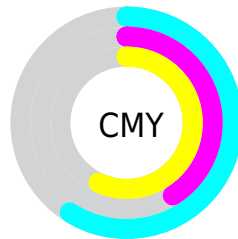


Cyan (30%)

Magenta (0%)

Yellow (27%)

Black (41%)



Cyan (59%)


Magenta (41%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 28.826, 145.501 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, 28.826, 145.501 by changing the saturation by 10% instead.


 58, 28.826,
145.501


 58, 28.826,
145.501


 100, 28.826,
145.501


 48, 28.826,
145.501


 78, 28.826,
145.501

 38, 28.826,
145.501

 88, 28.826,
145.501

 28, 28.826,
145.501

 98, 28.826,
145.501

 18, 28.826,
145.501

 8, 28.826, 145.501

 0, 28.826, 145.501

■ 58, 28.826,
145.501

■ 58, 28.826,
145.501

■ 57, 38.242,
144.555

■ 59, 19.215,
146.321

■ 56, 47.270,
143.473

■ 61, 9.562, 147.034

■ 55, 55.686,
142.261

■ 62, 0.014, 311.410

■ 64, 9.425, 328.103

■ 55, 63.239,
140.944

■ 66, 18.613,
328.560

■ 54, 69.667,
139.583

■ 67, 27.539,
328.949

■ 54, 74.712,
138.274


■ 69, 36.183,
329.286

■ 54, 78.283,
137.242

■ 71, 44.539,
329.579

■ 54, 78.285,

137.242

 74, 52.607,
329.837

Harmonies

Complementary

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



58, 28.826, 145.501



50, 28.865, 329.327

Rectangle

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



58, 28.826, 145.501



58, 28.826, 195.501



58, 28.826, 325.501



58, 28.826, 15.501

Sweetspot

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



58, 28.827, 145.501



77, 10.604, 147.089



61, 25.031, 111.723



40, 7.354, 146.999



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, 28.827, 145.501



73, 42.506, 144.880



59, 19.852, 166.575



31, 5.339, 147.088



50, 73.362, 137.339



2, 4.652, 147.614

Inverse Universe

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



50, 28.865, 329.327



61, 42.514, 329.718



50, 21.032, 352.419



29, 5.351, 328.105



31, 67.128, 333.083



1, 4.653, 327.608

Previews

White Background



This preview shows how the CIELCh color 58, 28.826, 145.501 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, 28.826, 145.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

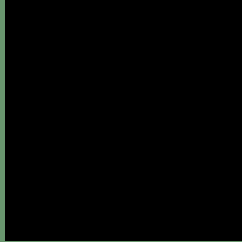
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 28.826, 145.501

Background



This preview shows how black text looks on a background with the CIELCh color 58, 28.826, 145.501.



This preview shows how white text looks on a background with the CIELCh color 58, 28.826, 145.501.

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, 28.826, 145.501

Protanopia
58, 19.655, 95.278

Deuteranopia
58, 16.214, 61.482



Tritanopia
58, 12.420, 232.107

Trichromacy



Original Color
58, 28.826, 145.501

Protanomaly
58, 20.668, 119.497

Deuteranomaly
57, 14.718, 105.169

Tritanomaly
58, 13.687, 181.136

Monochromacy



Original Color
58, 28.826, 145.501

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 10.957, 147.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 28.826, 145.501 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(105, 150, 110)` looks like.

```
.text, #text, p{  
    color:rgb(105, 150, 110)  
}
```

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(105, 150, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 150, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 28.826, 145.501 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(105, 150, 110) }
```

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

```
.border{ border-color:rgb(105, 150, 110) }
```

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

Here you see how a box with a 4 pixel rgb(105, 150, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 150, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 150, 110);  
box-shadow:4px 4px 4px 4px rgb(105, 150,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 28.826, 145.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 150, 110) }
```

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

```
.background{ background-color: rgb(105,  
150, 110) }
```

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