

Converting Colors

CIELCh(58, 30.709, 143.025)

Have a look what the booklet for
CIELCh(58, 30.709, 143.025)
contains.

CIELCh(58, 30.658, 142.995)	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, 30.658, 142.995)

Conversions

Conversions Part 1

Format	Color
Hex	69966A
RGB	105, 150, 106
RGB Percent	41%, 59%, 42%
CMY	0.5872, 0.4107, 0.5833
CMYK	0.30, 0.00, 0.29, 0.41
HSL	121°, 18%, 50%
HSV	121°, 30%, 59%
XYZ	19.4181, 25.9610, 17.6907
YIQ	131.5290, -12.6960, -23.2240

Conversions

Conversions Part 2

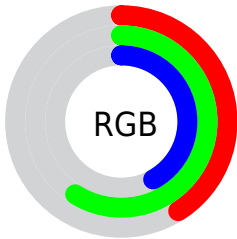
Format	Color
RYB	105, 149, 150
Decimal	6919786
CIELab	58.00, -24.48, 18.45
CIElCh	58, 30.658, 142.995
Yxy	25.9610, 0.3079, 0.4116
Android (android.graphics.Color)	4285109866 (0xFF69966A)
YUV	131.5290, -12.5858, -23.2659
Hunter-Lab	50.9519, -21.1383, 15.0806

Details

The CIELCh color **58, 30.658, 142.995** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **51, 30.660, 326.636**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 30.289, 143.494**, and **38, 30.826, 142.570** is the 20% darker color. If you saturate the color by 10%, you get **57, 40.660, 142.082**, and if you desaturate by 10%, it is **59, 20.428, 143.790**.

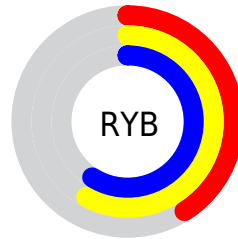
Distribution



Red (41%)

Green (59%)

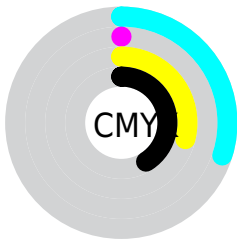
Blue (42%)



Red (41%)

Yellow (58%)

Blue (59%)

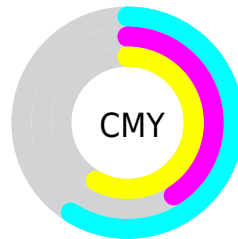


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (41%)



Cyan (59%)


Magenta (41%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 30.658, 142.995 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, 30.658, 142.995 by changing the saturation by 10% instead.


 58, 30.658,
142.995


 58, 30.658,
142.995


 100, 30.658,
142.995


 48, 30.658,
142.995


 78, 30.658,
142.995

 38, 30.658,
142.995

 88, 30.658,
142.995

 28, 30.658,
142.995

 98, 30.658,
142.995

 18, 30.658,
142.995

 8, 30.658, 142.995

 0, 30.658, 142.995

■ 58, 30.658,
142.995

■ 58, 30.658,
142.995

■ 57, 40.660,
142.082

■ 59, 20.428,
143.790

■ 56, 50.202,
141.052

■ 61, 10.146,
144.479

■ 55, 59.001,
139.932

■ 62, 0.052, 320.947

■ 55, 66.725,
138.778

■ 64, 10.069,
325.507

■ 54, 73.005,
137.693

■ 66, 19.842,
325.936

■ 54, 77.491,
136.806

■ 68, 29.331,
326.296

■ 54, 80.267,
136.249

■ 70, 38.515,
326.602

■ 54, 80.278,

■ 72, 47.389,
326.864

136.246

 74, 55.954,
327.090

Harmonies

Complementary

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



58, 30.658, 142.995



51, 30.660, 326.636

Rectangle

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



58, 30.658, 142.995



58, 30.658, 192.995



58, 30.658, 322.995



58, 30.658, 12.995

Sweetspot

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



58, 30.659, 142.995



78, 11.401, 144.529



61, 24.948, 108.089



41, 7.992, 144.442



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 30.659, 142.995



73, 45.676, 142.389



58, 21.175, 161.832



31, 5.680, 144.529



50, 75.282, 136.271



2, 4.948, 145.036

Inverse Universe

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



51, 30.660, 326.636



62, 45.627, 326.988



50, 22.021, 347.314



29, 5.689, 325.507



32, 71.863, 329.109



1, 4.948, 325.032

Previews

White Background



This preview shows how the CIELCh color 58, 30.658, 142.995 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, 30.658, 142.995 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, 30.658, 142.995

Background



This preview shows how black text looks on a background with the CIELCh color 58, 30.658, 142.995.



This preview shows how white text looks on a background with the CIELCh color 58, 30.658, 142.995.

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, 30.658, 142.995

Protanopia
58, 21.841, 96.197

Deuteranopia
58, 18.220, 65.370



Tritanopia
58, 12.168, 229.684

Trichromacy



Original Color
58, 30.658, 142.995

Protanomaly
58, 22.838, 118.202

Deuteranomaly
57, 16.958, 105.304

Tritanomaly
58, 14.154, 176.796

Monochromacy



Original Color
58, 30.658, 142.995

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 11.418, 145.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 30.658, 142.995 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(105, 150, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 150, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 30.658, 142.995 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, 106) }
```

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

```
.border{ border-color:rgb(105, 150, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 150, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 150, 106);  
box-shadow:4px 4px 4px 4px rgb(105, 150,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 30.658, 142.995 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, 106) }
```

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

```
.background{ background-color: rgb(105,  
150, 106) }
```

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