

Converting Colors

CIELCh(58, 78.677, 134.656)

Have a look what the booklet for
CIELCh(58, 78.677, 134.656)
contains.

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Color

CIELCh(58, 78.986, 134.674)

Conversions

Conversions Part 1

Format	Color
Hex	2DA114
RGB	45, 161, 20
RGB Percent	18%, 63%, 8%
CMY	0.8219, 0.3703, 0.9201
CMYK	0.72, 0.00, 0.87, 0.37
HSL	109°, 77%, 35%
HSV	109°, 87%, 63%
XYZ	13.9007, 25.9610, 4.9578
YIQ	110.2420, -23.8750, -68.4430

Conversions

Conversions Part 2

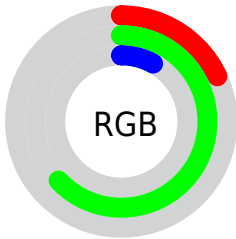
Format	Color
R_{YB}	20, 161, 136
Decimal	2990356
CIE _{Lab}	58.00, -55.53, 56.17
CIE _{LCh}	58, 78.986, 134.674
Yxy	25.9610, 0.3101, 0.5792
Android (android.graphics.Color)	4281180436 (0xFF2DA114)
YUV	110.2420, -44.4893, -57.2172
Hunter-Lab	50.9519, -40.4674, 29.8972

Details

The CIELCh color **58, 78.986, 134.674** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **35, 79.260, 321.935**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 79.387, 134.772**, and **39, 63.636, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 82.562, 134.799**, and if you desaturate by 10%, it is **58, 73.510, 134.872**.

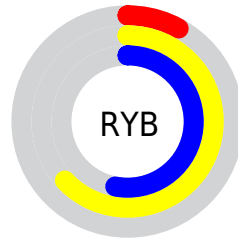
Distribution



Red (18%)

Green (63%)

Blue (8%)



Red (8%)

Yellow (63%)

Blue (53%)

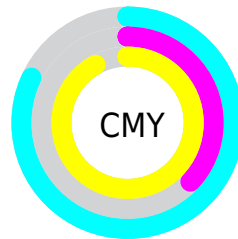


Cyan (72%)

Magenta (0%)

Yellow (87%)

Black (37%)



Cyan (82%)

Magenta (37%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 78.986, 134.674 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, 78.986, 134.674 by changing the saturation by 10% instead.


 58, 78.986,
134.674

 58, 78.986,
134.674

 100, 78.986,
134.674

 48, 78.986,
134.674

 78, 78.986,
134.674

 38, 78.986,
134.674

 88, 78.986,
134.674

 28, 78.986,
134.674

 98, 78.986,
134.674

 18, 78.986,
134.674

 8, 78.986, 134.674

 0, 78.986, 134.674

■ 58, 78.986,
134.674

■ 58, 78.986,
134.674

■ 58, 82.562,
134.799

■ 58, 73.510,
134.872

■ 58, 83.380,
134.801

■ 59, 66.319,
135.353

■ 60, 57.841,
135.994

■ 60, 48.477,
136.694

■ 61, 38.548,
137.386

■ 62, 28.298,
138.032

■ 64, 17.912,
138.616

■ 65, 7.525, 139.143

Harmonies

Complementary

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



58, 78.986, 134.674



35, 79.260, 321.935

Rectangle

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



58, 78.986, 134.674



58, 78.986, 184.674



58, 78.986, 314.674



58, 78.986, 4.674

Sweetspot

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



58, 78.986, 134.675



80, 33.409, 138.082



57, 57.961, 91.130



41, 22.593, 137.881



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 78.986, 134.675



74, 101.671, 134.965



58, 67.838, 144.293



33, 5.757, 139.044



52, 76.424, 134.709



3, 7.534, 139.723

Inverse Universe

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



35, 79.260, 321.935



43, 101.112, 321.415



37, 63.269, 343.534



31, 5.786, 319.838



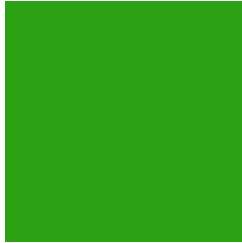
29, 76.207, 321.597



1, 7.447, 318.536

Previews

White Background



This preview shows how the CIE LCh color 58, 78.986, 134.674 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, 78.986, 134.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

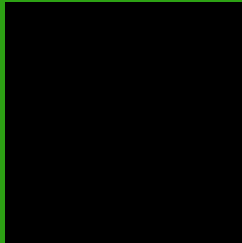
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 78.986, 134.674

Background



This preview shows how black text looks on a background with the CIELCh color 58, 78.986, 134.674.



This preview shows how white text looks on a background with the CIELCh color 58, 78.986, 134.674.

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, 79.286, 134.692

Protanopia

58, 60.153, 95.414

Deuteranopia

57, 53.479, 81.659



Tritanopia
58, 22.786, 215.155

Trichromacy



Original Color
58, 79.286, 134.692

Protanomaly
57, 63.545, 115.823

Deuteranomaly
56, 56.186, 110.662

Tritanomaly
57, 39.317, 157.667

Monochromacy



Original Color
58, 79.286, 134.692

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 33.980, 136.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 78.986, 134.674 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(45, 161, 20)` looks like.

```
.text, #text, p{  
    color:rgb(45, 161, 20)  
}
```

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(45, 161, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 161, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 78.986, 134.674 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(45, 161, 20) }
```

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

```
.border{ border-color:rgb(45, 161, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 161, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 161, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 161, 20);  
box-shadow:4px 4px 4px 4px rgb(45, 161,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 78.986, 134.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 161, 20) }
```

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

```
.background{ background-color: rgb(45, 161,  
20) }
```

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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