

Converting Colors

CIELCh(77, 58.464, 118.147)

Have a look what the booklet for
CIELCh(77, 58.464, 118.147)
contains.

CIELCh(77, 58.445, 118.159)	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(77, 58.445, 118.159)

Conversions

Conversions Part 1

Format	Color
Hex	AACA5A
RGB	170, 202, 90
RGB Percent	67%, 79%, 35%
CMY	0.3333, 0.2078, 0.6470
CMYK	0.16, 0.00, 0.55, 0.21
HSL	77°, 51%, 57%
HSV	77°, 55%, 79%
XYZ	39.5490, 51.5317, 17.5373
YIQ	179.6640, 16.8800, -41.6160

Conversions

Conversions Part 2

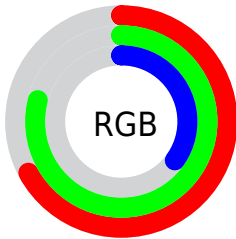
Format	Color
RYB	90, 202, 122
Decimal	11192922
CIELab	77.00, -27.58, 51.53
CIELCh	77, 58.445, 118.159
Yxy	51.5317, 0.3641, 0.4744
Android (android.graphics.Color)	4289383002 (0xFFAACA5A)
YUV	179.6640, -44.2044, -8.4753
Hunter-Lab	71.7856, -27.2836, 35.7653

Details

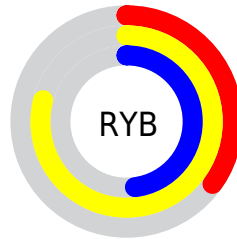
The CIELCh color **77, 58.445, 118.159** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **47, 66.434, 305.700**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 56.563, 117.160**, and **57, 58.443, 118.297** is the 20% darker color. If you saturate the color by 10%, you get **76, 67.327, 117.855**, and if you desaturate by 10%, it is **78, 48.683, 118.622**.

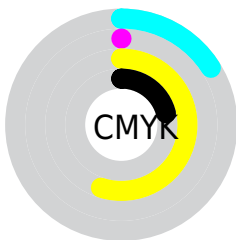
Distribution



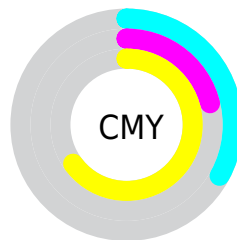
- Red (67%)
- Green (79%)
- Blue (35%)



- Red (35%)
- Yellow (79%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (55%)
- Black (21%)





- Cyan (33%)
- Magenta (21%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 58.445, 118.159 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 77, 58.445, 118.159 by changing the saturation by 10% instead.


 77, 58.445,
118.159

 77, 58.445,
118.159


 100, 58.445,
118.159


 67, 58.445,
118.159


 97, 58.445,
118.159

 57, 58.445,
118.159

 47, 58.445,
118.159

 37, 58.445,
118.159

 27, 58.445,
118.159

 17, 58.445,
118.159

 7, 58.445, 118.159

0, 58.445, 118.159

77, 58.445,
118.159

77, 58.445,
118.159

76, 67.327,
117.855

78, 48.683,
118.622

76, 74.888,
117.798

78, 38.363,
119.171

76, 80.638,
118.098

79, 27.709,
119.762

75, 84.240,
118.844

80, 16.869,
120.363

75, 85.441,
119.267

81, 5.945, 120.959

82, 4.994, 301.512

83, 15.901,

302.058

■ 84, 26.740,
302.566

■ 84, 28.867,
305.818

Harmonies

Complementary

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



77, 58.445, 118.159



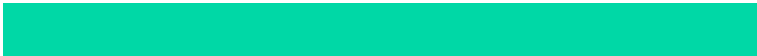
47, 66.434, 305.700

Rectangle

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



77, 58.445, 118.159



77, 58.445, 168.159



77, 58.445, 298.159



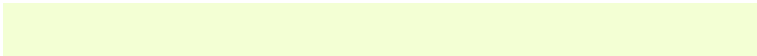
77, 58.445, 348.159

Sweetspot

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



77, 58.446, 118.161



98, 22.428, 120.256



59, 41.561, 47.415



52, 14.994, 120.133



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 58.446, 118.161



94, 82.639, 117.814



74, 66.838, 135.128



43, 6.249, 120.724



63, 73.672, 119.068



13, 22.882, 121.198

Inverse Universe

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



47, 66.434, 305.700



50, 97.575, 306.877



53, 68.372, 320.568



40, 6.369, 301.831



21, 94.198, 308.217



2, 23.860, 299.777

Previews

White Background



This preview shows how the CIELCh color 77, 58.445, 118.159 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 77, 58.445, 118.159 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 ✓ Pass

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

CIELCh 77, 58.445, 118.159

Background



This preview shows how black text looks on a background with the CIELCh color 77, 58.445, 118.159.



This preview shows how white text looks on a background with the CIELCh color 77, 58.445, 118.159.

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](#).

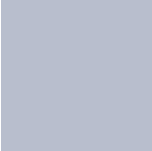
Dichromacy



Original Color
77, 58.445, 118.159

Protanopia
77, 54.247, 95.858

Deuteranopia
77, 50.750, 79.183



Tritanopia
77, 8.293, 276.078

Trichromacy



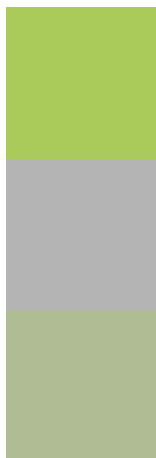
Original Color
77, 58.445, 118.159

Protanomaly
77, 54.703, 104.588

Deuteranomaly
77, 50.225, 95.043

Tritanomaly
77, 17.557, 127.784

Monochromacy



Original Color
77, 58.445, 118.159

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 22.460, 120.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 58.445, 118.159 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(170, 202, 90)` looks like.

```
.text, #text, p{  
    color:rgb(170, 202, 90)  
}
```

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(170, 202, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 202, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 58.445, 118.159 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(170, 202, 90) }
```

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

```
.border{ border-color:rgb(170, 202, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 202, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 202, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 202, 90);  
box-shadow:4px 4px 4px 4px rgb(170, 202,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 58.445, 118.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 202, 90) }
```

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

```
.background{ background-color: rgb(170,  
202, 90) }
```

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