

# Converting Colors

CIELCh(58, 54.065, 85.803)

Have a look what the booklet for  
CIELCh(58, 54.065, 85.803) contains.

<b>CIELCh(58, 54.203, 86.147)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

**Color**

**CIELCh(58, 54.203, 86.147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA8725
RGB	170, 135, 37
RGB Percent	67%, 53%, 15%
CMY	0.3338, 0.4710, 0.8554
CMYK	0.00, 0.21, 0.78, 0.33
HSL	44°, 64%, 41%
HSV	44°, 78%, 67%
XYZ	25.5301, 25.9610, 5.4055
YIQ	134.2930, 52.3180, -23.0580

# Conversions

## Conversions Part 2

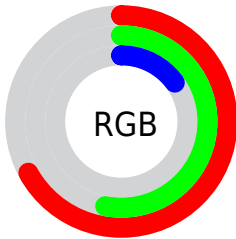
Format	Color
R <sub>Y</sub> B	85, 170, 37
Decimal	11175717
CIE Lab	58.00, 3.64, 54.08
CIE LCh	58, 54.203, 86.147
Yxy	25.9610, 0.4487, 0.4563
Android (android.graphics.Color)	4289365797 (0xFFAA8725)
YUV	134.2930, -47.9654, 31.3150
Hunter-Lab	50.9519, 0.2739, 29.3763

# Details

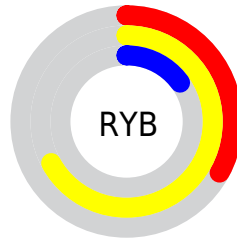
The CIELCh color **58, 54.203, 86.147** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **34, 61.004, 293.037**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 54.185, 86.025**, and **38, 46.511, 84.746** is the 20% darker color. If you saturate the color by 10%, you get **57, 58.573, 84.526**, and if you desaturate by 10%, it is **59, 48.421, 87.620**.

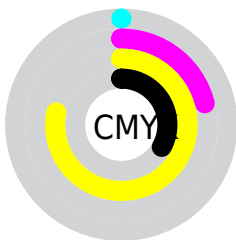
# Distribution



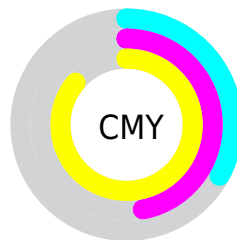
- Red (67%)
- Green (53%)
- Blue (15%)



- Red (33%)
- Yellow (67%)
- Blue (15%)



- Cyan (0%)
- Magenta (21%)
- Yellow (78%)
- Black (33%)



- Cyan (33%)
- Magenta (47%)
- Yellow (86%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 54.203, 86.147 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, 54.203, 86.147 by changing the saturation by 10% instead.



 58, 54.203, 86.147

 58, 54.203, 86.147

 100, 54.203,  
86.147

 48, 54.203, 86.147

 78, 54.203, 86.147

 38, 54.203, 86.147

 88, 54.203, 86.147

 28, 54.203, 86.147

 98, 54.203, 86.147

 18, 54.203, 86.147

 8, 54.203, 86.147

 0, 54.203, 86.147

 58, 54.203, 86.147

 58, 54.203, 86.147

 57, 58.573, 84.526

 59, 48.421, 87.620

 56, 61.200, 82.681

 61, 41.805, 89.007

55, 61.628, 82.370

62, 34.757, 90.347

64, 27.527, 91.652

65, 20.255, 92.926

67, 13.019, 94.163

68, 5.858, 95.351

70, 1.210, 276.686

72, 8.177, 277.681

# Harmonies

# Complementary

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



58, 54.203, 86.147



34, 61.004, 293.037

# Rectangle

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



58, 54.203, 86.147



58, 54.203, 136.147



58, 54.203, 266.147



58, 54.203, 316.147

# Sweetspot

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



58, 54.203, 86.150



84, 20.408, 93.534



38, 56.155, 13.267



44, 14.267, 93.095



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



58, 54.203, 86.150



72, 73.895, 83.154



65, 66.177, 115.396



35, 3.972, 95.237



49, 55.710, 82.639



4, 6.704, 91.057





# Inverse Universe

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



34, 61.004, 293.037



37, 92.702, 298.651



28, 81.763, 306.625



33, 3.998, 277.513



22, 70.998, 299.500

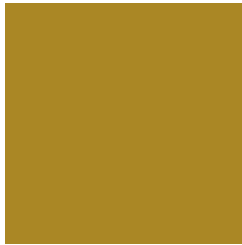


2, 7.524, 278.774



# Previews

## White Background



This preview shows how the CIE LCh color 58, 54.203, 86.147 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, 54.203, 86.147 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, 54.203, 86.147**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 58, 54.203, 86.147.



This preview shows how white text looks on a background with the CIELCh color 58, 54.203, 86.147.

# 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, 54.203, 86.147

### Protanopia

58, 53.526, 95.338

### Deuteranopia

58, 54.380, 82.545



**Tritanopia**  
58, 20.915, 7.826



# Trichromacy



**Original Color**  
58, 54.203, 86.147

**Protanomaly**  
58, 53.431, 91.726

**Deuteranomaly**  
58, 54.172, 84.070

**Tritanomaly**  
58, 26.671, 59.710

# Monochromacy



**Original Color**  
58, 54.203, 86.147

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 20.669, 91.858

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 54.203, 86.147 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, 135, 37)` looks like.

```
.text, #text, p{  
    color:rgb(170, 135, 37)  
}
```

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, 135, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 135, 37) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 54.203, 86.147 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, 135, 37) }
```

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

```
.border{ border-color:rgb(170, 135, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 135, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 135, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 135, 37);  
box-shadow:4px 4px 4px 4px rgb(170, 135,  
37) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 54.203, 86.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 135, 37) }
```

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

```
.background{ background-color: rgb(170,  
135, 37) }
```

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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