

Converting Colors

CIELCh(58, 40.857, 85.609)

Have a look what the booklet for
CIELCh(58, 40.857, 85.609) contains.

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Color

CIELCh(58, 40.821, 85.722)

Conversions

Conversions Part 1

Format	Color
Hex	A68843
RGB	166, 136, 67
RGB Percent	65%, 53%, 26%
CMY	0.3507, 0.4682, 0.7387
CMYK	0.00, 0.18, 0.60, 0.35
HSL	42°, 43%, 46%
HSV	42°, 60%, 65%
XYZ	25.3886, 25.9610, 8.9251
YIQ	137.1040, 40.0290, -15.0990

Conversions

Conversions Part 2

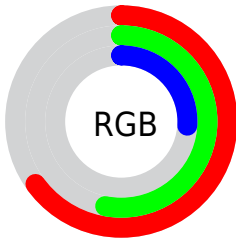
Format	Color
R_{YB}	110, 166, 67
Decimal	10913859
CIE Lab	58.00, 3.05, 40.71
CIE LCh	58, 40.821, 85.722
Yxy	25.9610, 0.4212, 0.4307
Android (android.graphics.Color)	4289103939 (0xFFA68843)
YUV	137.1040, -34.5613, 25.3418
Hunter-Lab	50.9519, -0.2219, 25.2807

Details

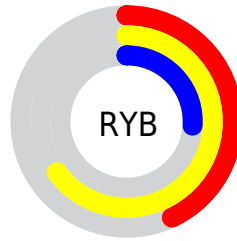
The CIELCh color **58, 40.821, 85.722** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **42, 41.958, 284.863**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 40.856, 85.857**, and **38, 40.731, 86.203** is the 20% darker color. If you saturate the color by 10%, you get **57, 47.240, 84.259**, and if you desaturate by 10%, it is **60, 34.020, 87.123**.

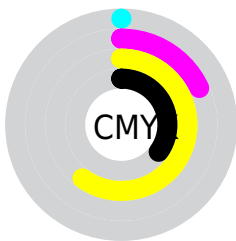
Distribution



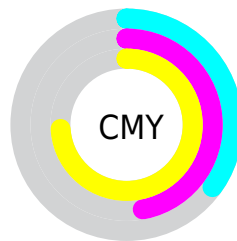
- Red (65%)
- Green (53%)
- Blue (26%)



- Red (43%)
- Yellow (65%)
- Blue (26%)



- Cyan (0%)
- Magenta (18%)
- Yellow (60%)
- Black (35%)



- Cyan (35%)
- Magenta (47%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 40.821, 85.722 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, 40.821, 85.722 by changing the saturation by 10% instead.

 58, 40.821, 85.722

 58, 40.821, 85.722

 100, 40.821,
85.722

 48, 40.821, 85.722

 78, 40.821, 85.722

 38, 40.821, 85.722

 88, 40.821, 85.722

 28, 40.821, 85.722

 98, 40.821, 85.722

 18, 40.821, 85.722

 8, 40.821, 85.722

 0, 40.821, 85.722

 58, 40.821, 85.722

 58, 40.821, 85.722

 57, 47.240, 84.259

 60, 34.020, 87.123

 55, 52.869, 82.672

 61, 27.081, 88.476

■ 54, 57.119, 80.860

■ 63, 20.139, 89.790

■ 52, 59.884, 78.798

■ 64, 13.264, 91.066

■ 52, 59.954, 78.750

■ 66, 6.490, 92.291

■ 68, 0.168, 274.656

■ 70, 6.709, 274.698

■ 72, 13.135,
275.785

■ 74, 19.452,
276.832

Harmonies

Complementary

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



58, 40.821, 85.722



42, 41.958, 284.863

Rectangle

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



58, 40.821, 85.722



58, 40.821, 135.722



58, 40.821, 265.722



58, 40.821, 315.722

Sweetspot

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



58, 40.821, 85.726



82, 14.883, 91.245



43, 43.881, 3.426



43, 10.349, 90.897



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



58, 40.821, 85.726



71, 59.779, 83.715



65, 52.272, 113.465



34, 3.717, 92.351



46, 54.518, 79.052



4, 5.428, 88.949

Inverse Universe

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



42, 41.958, 284.863



47, 63.423, 289.001



35, 61.150, 303.436



32, 3.728, 274.684



23, 66.119, 297.544



1, 5.939, 275.565

Previews

White Background



This preview shows how the CIELCh color 58, 40.821, 85.722 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, 40.821, 85.722 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, 40.821, 85.722

Background



This preview shows how black text looks on a background with the CIELCh color 58, 40.821, 85.722.



This preview shows how white text looks on a background with the CIELCh color 58, 40.821, 85.722.

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, 40.821, 85.722

Protanopia

58, 40.060, 96.283

Deuteranopia

58, 41.346, 79.741



Tritanopia
58, 18.187, 3.440

Trichromacy



Original Color
58, 40.821, 85.722

Protanomaly
58, 39.745, 92.190

Deuteranomaly
58, 41.114, 81.715

Tritanomaly
58, 19.810, 53.250

Monochromacy



Original Color
58, 40.821, 85.722

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 14.937, 90.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 40.821, 85.722 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(166, 136, 67)` looks like.

```
.text, #text, p{  
    color:rgb(166, 136, 67)  
}
```

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(166, 136, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 136, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 40.821, 85.722 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(166, 136, 67) }
```

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

```
.border{ border-color:rgb(166, 136, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 136, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 136, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 136, 67);  
box-shadow:4px 4px 4px 4px rgb(166, 136,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 40.821, 85.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 136, 67) }
```

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

```
.background{ background-color: rgb(166,  
136, 67) }
```

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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