

Converting Colors

CIELCh(78, 56.843, 105.152)

Have a look what the booklet for
CIELCh(78, 56.843, 105.152)
contains.

CIELCh(78, 56.851, 104.917)	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(78, 56.851, 104.917)

Conversions

Conversions Part 1

Format	Color
Hex	C6C656
RGB	198, 198, 86
RGB Percent	78%, 78%, 34%
CMY	0.2226, 0.2226, 0.6618
CMYK	0.00, 0.00, 0.57, 0.22
HSL	60°, 50%, 56%
HSV	60°, 57%, 78%
XYZ	45.2916, 53.2120, 16.7359
YIQ	185.2320, 35.9520, -34.8320

Conversions

Conversions Part 2

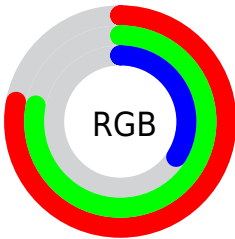
Format	Color
RYB	86, 198, 86
Decimal	13026902
CIELab	78.00, -14.63, 54.94
CIELCh	78, 56.851, 104.917
Yxy	53.2120, 0.3930, 0.4618
Android (android.graphics.Color)	4291216982 (0xFFC6C656)
YUV	185.2320, -48.9214, 11.1975
Hunter-Lab	72.9466, -16.8280, 37.4598

Details

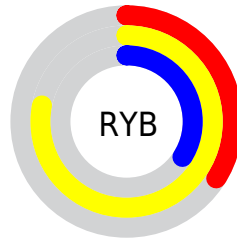
The CIELCh color **78, 56.851, 104.917** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **42, 66.963, 298.798**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 57.233, 105.797**, and **58, 56.802, 104.503** is the 20% darker color. If you saturate the color by 10%, you get **78, 65.075, 104.174**, and if you desaturate by 10%, it is **78, 47.669, 105.765**.

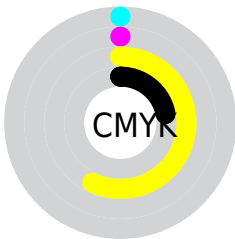
Distribution



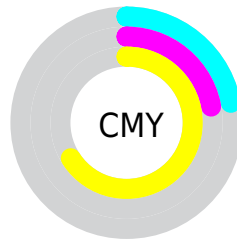
- Red (78%)
- Green (78%)
- Blue (34%)



- Red (34%)
- Yellow (78%)
- Blue (34%)



- Cyan (0%)
- Magenta (0%)
- Yellow (57%)
- Black (22%)





- Cyan (22%)
- Magenta (22%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 56.851, 104.917 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 78, 56.851, 104.917 by changing the saturation by 10% instead.


 78, 56.851,
104.917


 78, 56.851,
104.917


 100, 56.851,
104.917


 68, 56.851,
104.917


 98, 56.851,
104.917

 58, 56.851,
104.917

 48, 56.851,
104.917

 38, 56.851,
104.917

 28, 56.851,
104.917

 18, 56.851,
104.917

 8, 56.851, 104.917

0, 56.851, 104.917

78, 56.851,
104.917

78, 56.851,
104.917

78, 65.075,
104.174

78, 47.669,
105.765

78, 71.879,
103.569

78, 37.876,
106.676

78, 76.774,
103.142

79, 27.713,
107.625

78, 79.490,
102.908

79, 17.335,
108.589

78, 80.175,
102.849

80, 6.843, 109.547

80, 3.697, 290.523

81, 14.243,

291.435

■ 81, 24.766,
292.326

■ 82, 30.149,
292.769

Harmonies

Complementary

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



78, 56.851, 104.917



42, 66.963, 298.798

Rectangle

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



78, 56.851, 104.917



78, 56.851, 154.917



78, 56.851, 284.917



78, 56.851, 334.917

Sweetspot

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



78, 56.852, 104.920



99, 21.899, 108.517



51, 49.688, 25.386



53, 14.637, 108.320



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 56.852, 104.920



97, 80.907, 104.008



74, 61.370, 125.942



42, 5.982, 109.273



65, 69.397, 102.849



13, 20.288, 105.974

Inverse Universe

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



42, 66.963, 298.798



46, 100.590, 301.553



47, 67.035, 311.423



38, 6.114, 291.143



19, 95.826, 306.287



1, 21.509, 291.745

Previews

White Background



This preview shows how the CIELCh color 78, 56.851, 104.917 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 CIELCh color 78, 56.851, 104.917 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 78, 56.851, 104.917

Background



This preview shows how black text looks on a background with the CIELCh color 78, 56.851, 104.917.



This preview shows how white text looks on a background with the CIELCh color 78, 56.851, 104.917.

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

78, 56.851, 104.917

Protanopia

78, 56.044, 95.610

Deuteranopia

78, 54.855, 79.352



Tritanopia
78, 11.968, 338.301

Trichromacy



Original Color
78, 56.851, 104.917

Protanomaly
78, 56.359, 99.211

Deuteranomaly
78, 54.133, 88.867

Tritanomaly
78, 17.732, 87.642

Monochromacy



Original Color
78, 56.851, 104.917

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 21.854, 108.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 56.851, 104.917 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(198, 198, 86)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 86)  
}
```

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(198, 198, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 56.851, 104.917 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(198, 198, 86) }
```

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

```
.border{ border-color:rgb(198, 198, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 86);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 56.851, 104.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 86) }
```

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

```
.background{ background-color: rgb(198,  
198, 86) }
```

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