

Converting Colors

CIELCh(80, 44.033, 105.636)

Have a look what the booklet for
CIELCh(80, 44.033, 105.636)
contains.

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Color

CIELCh(80, 44.033, 105.636)

Conversions

Conversions Part 1

Format	Color
Hex	CCCB76
RGB	204, 203, 118
RGB Percent	80%, 80%, 46%
CMY	0.2011, 0.2050, 0.5383
CMYK	0.00, 0.00, 0.42, 0.20
HSL	59°, 46%, 63%
HSV	59°, 42%, 80%
XYZ	49.3701, 56.6813, 25.3974
YIQ	193.6090, 27.8810, -26.2230

Conversions

Conversions Part 2

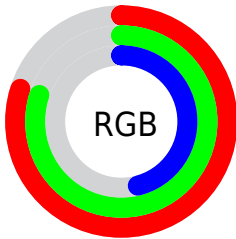
Format	Color
RYB	119, 204, 118
Decimal	13421430
CIELab	80.00, -11.87, 42.40
CIELCh	80, 44.033, 105.636
Yxy	56.6813, 0.3756, 0.4312
Android (android.graphics.Color)	4291611510 (0xFFCCCB76)
YUV	193.6090, -37.2752, 9.1129
Hunter-Lab	75.2870, -14.6993, 32.6999

Details

The CIELCh color **80, 44.033, 105.636** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **53, 49.070, 295.519**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 42.047, 106.967**, and **60, 44.126, 105.721** is the 20% darker color. If you saturate the color by 10%, you get **80, 53.649, 104.741**, and if you desaturate by 10%, it is **80, 33.927, 106.586**.

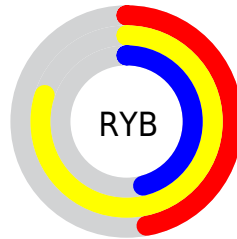
Distribution



Red (80%)

Green (80%)

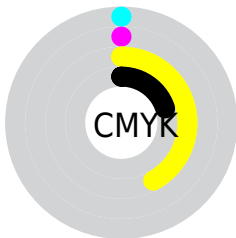
Blue (46%)



Red (47%)

Yellow (80%)

Blue (46%)

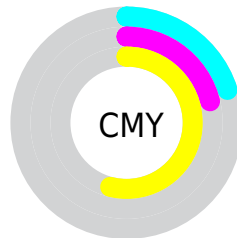


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (20%)



Cyan (20%)

Magenta (21%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 44.033, 105.636 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 80, 44.033, 105.636 by changing the saturation by 10% instead.


 80, 44.033,
105.636

 80, 44.033,
105.636


 100, 44.033,
105.636


 70, 44.033,
105.636

 60, 44.033,
105.636

 50, 44.033,
105.636

 40, 44.033,
105.636

 30, 44.033,
105.636

 20, 44.033,
105.636

 10, 44.033,

105.636

■ 0, 44.033, 105.636

■ 80, 44.033,
105.636

■ 80, 44.033,
105.636

■ 80, 53.649,
104.741

■ 80, 33.927,
106.586

■ 79, 62.465,
103.922

■ 81, 23.529,
107.558

■ 79, 70.054,
103.220

■ 81, 12.972,
108.535

■ 79, 75.900,
102.673

■ 82, 2.337, 109.480

■ 79, 79.568,
102.307

■ 82, 8.321, 290.467

■ 83, 18.966,
291.382

■ 79, 81.124,
102.126

■ 84, 26.762,
291.991

■ 84, 26.632,
291.812

■ 84, 26.503,
291.632

Harmonies

Complementary

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



80, 44.033, 105.636



53, 49.070, 295.519

Rectangle

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



80, 44.033, 105.636



80, 44.033, 155.636



80, 44.033, 285.636



80, 44.033, 335.636

Sweetspot

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



80, 44.034, 105.639



99, 16.579, 108.440



59, 36.536, 22.432



53, 11.595, 108.222



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 44.034, 105.639



97, 62.952, 104.787



77, 47.759, 126.498



43, 6.039, 108.806



65, 69.603, 102.136



14, 21.641, 104.786

Inverse Universe

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



53, 49.070, 295.519



59, 72.565, 297.396



57, 50.896, 310.657



39, 6.170, 290.698



19, 96.372, 306.129



1, 23.343, 292.172

Previews

White Background



This preview shows how the CIELCh color 80, 44.033, 105.636 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 80, 44.033, 105.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

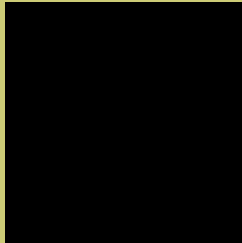
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 44.033, 105.636

Background



This preview shows how black text looks on a background with the CIELCh color 80, 44.033, 105.636.



This preview shows how white text looks on a background with the CIELCh color 80, 44.033, 105.636.

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

80, 44.033, 105.636

Protanopia

80, 43.526, 95.631

Deuteranopia

80, 42.440, 76.071



Tritanopia
80, 11.371, 335.715

Trichromacy



Original Color
80, 44.033, 105.636

Protanomaly
80, 43.461, 99.571

Deuteranomaly
80, 41.472, 86.898

Tritanomaly
80, 12.392, 83.266

Monochromacy



Original Color
80, 44.033, 105.636

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 16.448, 108.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 44.033, 105.636 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(204, 203, 118)` looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 118)  
}
```

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(204, 203, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 44.033, 105.636 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(204, 203, 118) }
```

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

```
.border{ border-color:rgb(204, 203, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 203, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 118);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 44.033, 105.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 118) }
```

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

```
.background{ background-color: rgb(204,  
203, 118) }
```

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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