

Converting Colors

CIELCh(83, 59.884, 96.418)

Have a look what the booklet for
CIELCh(83, 59.884, 96.418) contains.

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Color

CIELCh(83, 60.025, 96.683)

Conversions

Conversions Part 1

Format	Color
Hex	E4D05A
RGB	228, 208, 90
RGB Percent	89%, 82%, 35%
CMY	0.1070, 0.1853, 0.6481
CMYK	0.00, 0.09, 0.61, 0.11
HSL	51°, 72%, 62%
HSV	51°, 61%, 89%
XYZ	56.2296, 62.1629, 18.6505
YIQ	200.5280, 49.7980, -32.4580

Conversions

Conversions Part 2

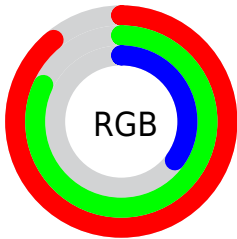
Format	Color
RYB	113, 228, 90
Decimal	14995546
CIELab	83.00, -6.99, 59.62
CIELCh	83, 60.025, 96.683
Yxy	62.1629, 0.4103, 0.4536
Android (android.graphics.Color)	4293185626 (0xFFE4D05A)
YUV	200.5280, -54.4903, 24.0929
Hunter-Lab	78.8435, -10.6734, 41.1654

Details

The CIELCh color **83, 60.025, 96.683** 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 **50, 68.459, 294.223**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 54.921, 105.974**, and **63, 60.134, 96.520** is the 20% darker color. If you saturate the color by 10%, you get **82, 68.160, 95.571**, and if you desaturate by 10%, it is **84, 50.875, 97.822**.

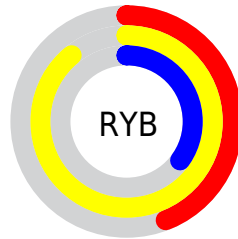
Distribution



Red (89%)

Green (82%)

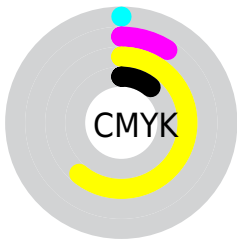
Blue (35%)



Red (44%)

Yellow (89%)

Blue (35%)

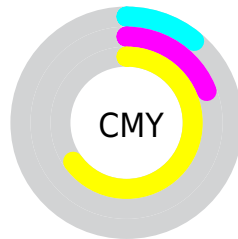


Cyan (0%)

Magenta (9%)

Yellow (61%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 60.025, 96.683 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 83, 60.025, 96.683 by changing the saturation by 10% instead.

 83, 60.025, 96.683

 83, 60.025, 96.683

 100, 60.025,
96.683

 73, 60.025, 96.683

 63, 60.025, 96.683

 53, 60.025, 96.683

 43, 60.025, 96.683

 33, 60.025, 96.683

 23, 60.025, 96.683

 13, 60.025, 96.683

 3, 60.025, 96.683

 0, 60.025, 96.683

■ 83, 60.025, 96.683

■ 83, 60.025, 96.683

■ 82, 68.160, 95.571

■ 84, 50.875, 97.822

■ 81, 74.660, 94.479

■ 85, 41.147, 98.970

■ 80, 78.843, 93.393

■ 86, 31.118,
100.119

■ 79, 80.598, 92.348

■ 88, 20.956,
101.255

■ 89, 10.760,
102.366

■ 90, 0.587, 103.226

■ 92, 9.531, 284.532

■ 93, 10.962,
279.609

■ 94, 9.580, 270.798

Harmonies

Complementary

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



83, 60.025, 96.683



50, 68.459, 294.223

Rectangle

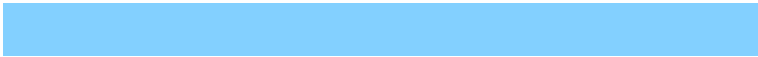
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 60.025, 96.683



83, 60.025, 146.683



83, 60.025, 276.683



83, 60.025, 326.683

Sweetspot

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



83, 60.026, 96.686



97, 20.079, 101.533



57, 57.667, 16.822



52, 13.956, 101.204



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 60.026, 96.686



90, 76.494, 95.256



85, 70.505, 120.678



48, 5.806, 102.489



64, 67.268, 92.535



18, 25.662, 94.792

Inverse Universe

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



50, 68.459, 294.223



48, 92.364, 297.712



50, 80.307, 307.927



45, 5.895, 284.631



24, 94.269, 303.959



4, 30.313, 293.761

Previews

White Background



This preview shows how the CIELCh color 83, 60.025, 96.683 looks on a white background.

Color Contrast Check

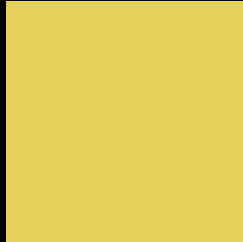
Large Text (above 18pt) WCAG AA × Fail

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 83, 60.025, 96.683 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 83, 60.025, 96.683

Background



This preview shows how black text looks on a background with the CIELCh color 83, 60.025, 96.683.



This preview shows how white text looks on a background with the CIELCh color 83, 60.025, 96.683.

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


83, 60.025, 96.683

Protanopia

83, 59.842, 95.415

Deuteranopia

83, 57.926, 79.747



Tritanopia
83, 17.726, 354.439

Trichromacy



Original Color
83, 60.025, 96.683

Protanomaly
83, 59.762, 95.822

Deuteranomaly
83, 58.196, 86.139

Tritanomaly
83, 22.600, 71.787

Monochromacy



Original Color
83, 60.025, 96.683

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 22.801, 101.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 60.025, 96.683 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(228, 208, 90)` looks like.

```
.text, #text, p{  
    color:rgb(228, 208, 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(228, 208, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 208, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 60.025, 96.683 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(228, 208, 90) }
```

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

```
.border{ border-color:rgb(228, 208, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 208, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 208, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 208, 90);  
box-shadow:4px 4px 4px 4px rgb(228, 208,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 60.025, 96.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 208, 90) }
```

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

```
.background{ background-color: rgb(228,  
208, 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](#).

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