

Converting Colors

CIELCh(83, 65.709, 95.719)

Have a look what the booklet for
CIELCh(83, 65.709, 95.719) contains.

CIELCh(83, 65.661, 95.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(83, 65.661, 95.675)

Conversions

Conversions Part 1

Format	Color
Hex	E6CF4C
RGB	230, 207, 76
RGB Percent	90%, 81%, 30%
CMY	0.0968, 0.1871, 0.7008
CMYK	0.00, 0.10, 0.67, 0.10
HSL	51°, 76%, 60%
HSV	51°, 67%, 90%
XYZ	56.4278, 62.1629, 15.9140
YIQ	198.9430, 55.7590, -35.8650

Conversions

Conversions Part 2

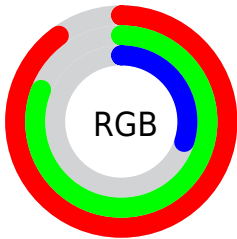
Format	Color
RYB	103, 230, 76
Decimal	15126348
CIELab	83.00, -6.49, 65.34
CIELCh	83, 65.661, 95.675
Yxy	62.1629, 0.4195, 0.4622
Android (android.graphics.Color)	4293316428 (0xFFE6CF4C)
YUV	198.9430, -60.6109, 27.2370
Hunter-Lab	78.8435, -10.2247, 43.2232

Details

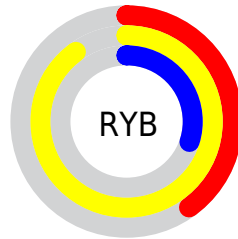
The CIELCh color **83, 65.661, 95.675** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **47, 76.669, 295.702**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 60.873, 105.518**, and **63, 65.620, 95.644** is the 20% darker color. If you saturate the color by 10%, you get **82, 72.907, 94.560**, and if you desaturate by 10%, it is **84, 57.024, 96.814**.

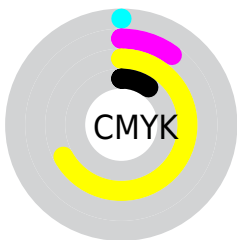
Distribution



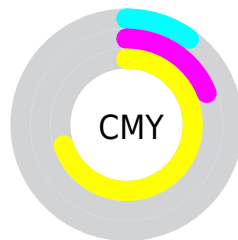
- Red (90%)
- Green (81%)
- Blue (30%)



- Red (40%)
- Yellow (90%)
- Blue (30%)



- Cyan (0%)
- Magenta (10%)
- Yellow (67%)
- Black (10%)



- Cyan (10%)
- Magenta (19%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 65.661, 95.675 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, 65.661, 95.675 by changing the saturation by 10% instead.

 83, 65.661, 95.675

 83, 65.661, 95.675

 100, 65.661,
95.675

 73, 65.661, 95.675

 63, 65.661, 95.675

 53, 65.661, 95.675

 43, 65.661, 95.675

 33, 65.661, 95.675

 23, 65.661, 95.675

 13, 65.661, 95.675

 3, 65.661, 95.675

 0, 65.661, 95.675

83, 65.661, 95.675

83, 65.661, 95.675

82, 72.907, 94.560

84, 57.024, 96.814

81, 78.062, 93.451

85, 47.555, 97.967

80, 80.590, 92.315

86, 37.630, 99.125

80, 81.069, 91.956

88, 27.481,
100.278

89, 17.247,
101.412

90, 7.008, 102.513

92, 3.191, 283.658

93, 10.498,
282.583

94, 8.982, 273.301

Harmonies

Complementary

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



83, 65.661, 95.675



47, 76.669, 295.702

Rectangle

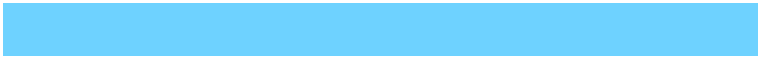
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 65.661, 95.675



83, 65.661, 145.675



83, 65.661, 275.675



83, 65.661, 325.675

Sweetspot

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



83, 65.661, 95.678



97, 22.209, 101.048



55, 64.199, 18.832



51, 15.155, 100.727



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, 65.661, 95.678



89, 81.032, 94.164



85, 77.188, 120.568



48, 5.778, 102.234



63, 67.091, 92.158



18, 25.553, 94.457

Inverse Universe

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



47, 76.669, 295.702



44, 101.434, 299.487



47, 89.421, 308.388



45, 5.865, 284.385



24, 93.893, 303.843



4, 30.206, 293.653

Previews

White Background



This preview shows how the CIELCh color 83, 65.661, 95.675 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, 65.661, 95.675 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, 65.661, 95.675

Background



This preview shows how black text looks on a background with the CIELCh color 83, 65.661, 95.675.



This preview shows how white text looks on a background with the CIELCh color 83, 65.661, 95.675.

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, 65.661, 95.675

Protanopia

83, 65.739, 95.301

Deuteranopia

83, 59.637, 80.290



Tritanopia
83, 19.097, 356.614

Trichromacy



Original Color
83, 65.661, 95.675

Protanomaly
83, 65.739, 95.301

Deuteranomaly
83, 61.357, 86.357

Tritanomaly
83, 25.381, 71.404

Monochromacy



Original Color
83, 65.661, 95.675

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 25.462, 100.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 65.661, 95.675 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(230, 207, 76)` looks like.

```
.text, #text, p{  
    color:rgb(230, 207, 76)  
}
```

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(230, 207, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 207, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 65.661, 95.675 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(230, 207, 76) }
```

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

```
.border{ border-color:rgb(230, 207, 76) }
```

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

Here you see how a box with a 4 pixel rgb(230, 207, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 207, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 207, 76);  
box-shadow:4px 4px 4px 4px rgb(230, 207,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 65.661, 95.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 207, 76) }
```

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

```
.background{ background-color: rgb(230,  
207, 76) }
```

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