

Converting Colors

CIELCh(85, 100.803, 95.490)

Have a look what the booklet for
CIELCh(85, 100.803, 95.490)
contains.

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Color

CIELCh(85, 85.590, 95.810)

Conversions

Conversions Part 1

Format	Color
Hex	EED600
RGB	238, 214, 0
RGB Percent	93%, 84%, 0%
CMY	0.0683, 0.1622, 1.0000
CMYK	0.00, 0.10, 1.00, 0.07
HSL	54°, 100%, 47%
HSV	54°, 100%, 93%
XYZ	59.0659, 66.0070, 9.5909
YIQ	196.7800, 82.9980, -61.4660

Conversions

Conversions Part 2

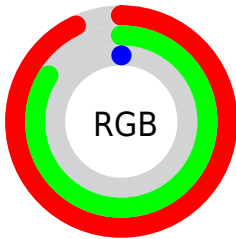
Format	Color
R _Y B	27, 238, 0
Decimal	15652352
CIE Lab	85.00, -8.66, 85.15
CIE LCh	85, 85.590, 95.810
Yxy	66.0070, 0.4386, 0.4902
Android (android.graphics.Color)	4293842432 (0xFFEED600)
YUV	196.7800, -97.0125, 36.1499
Hunter-Lab	81.2447, -12.4065, 49.8722

Details

The CIELCh color **85, 85.590, 95.810** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **31, 121.900, 305.186**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.626, 104.179**, and **65, 68.869, 96.313** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.480, 95.813**, and if you desaturate by 10%, it is **86, 83.565, 96.604**.

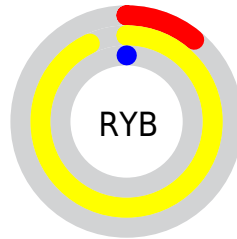
Distribution



Red (93%)

Green (84%)

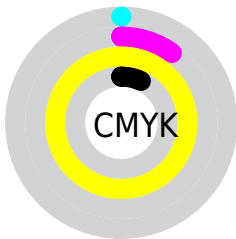
Blue (0%)



Red (11%)

Yellow (93%)

Blue (0%)

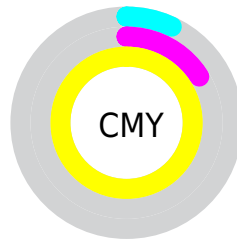


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 85.590, 95.810 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 85, 85.590, 95.810 by changing the saturation by 10% instead.

 85, 85.590, 95.810

 85, 85.590, 95.810

 100, 85.590,
95.810

 75, 85.590, 95.810

 65, 85.590, 95.810

 55, 85.590, 95.810

 45, 85.590, 95.810

 35, 85.590, 95.810

 25, 85.590, 95.810

 15, 85.590, 95.810

 5, 85.590, 95.810

 0, 85.590, 95.810

■ 85, 85.590, 95.810

■ 85, 85.590, 95.810

■ 85, 85.480, 95.813

■ 86, 83.565, 96.604

■ 86, 79.163, 97.449

■ 87, 72.347, 98.367

■ 88, 63.776, 99.354

■ 89, 54.074,
100.394

■ 90, 43.699,
101.467

■ 91, 32.951,
102.554

■ 92, 22.016,
103.639

■ 93, 11.006,
104.707

Harmonies

Complementary

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



85, 85.590, 95.810



31, 121.900, 305.186

Rectangle

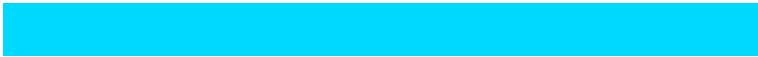
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 85.590, 95.810



85, 85.590, 145.810



85, 85.590, 275.810



85, 85.590, 325.810

Sweetspot

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



85, 85.480, 95.813



96, 34.895, 102.542



50, 93.852, 35.711



51, 23.763, 102.081



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 85.480, 95.813



91, 90.159, 95.783



86, 99.697, 123.910



50, 6.298, 104.761



67, 70.537, 95.937



21, 29.284, 97.406

Inverse Universe

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



31, 121.900, 305.186



34, 128.859, 305.241



35, 121.433, 309.411



46, 6.411, 286.834



23, 99.590, 304.934



4, 35.164, 296.920

Previews

White Background



This preview shows how the CIELCh color 85, 85.590, 95.810 looks on a white background.

Color Contrast Check

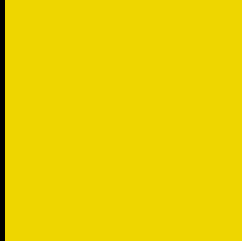
Large Text (above 18pt) WCAG AA × Fail

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 85, 85.590, 95.810 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 85, 85.590, 95.810

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.590, 95.810.

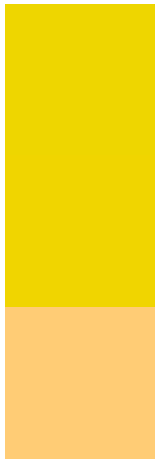


This preview shows how white text looks on a background with the CIELCh color 85, 85.590, 95.810.

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
85, 85.590, 95.810

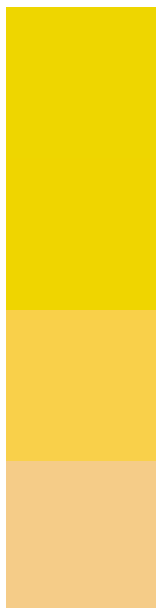
Protanopia
85, 85.488, 94.903

Deuteranopia
85, 50.416, 80.724



Tritanopia
85, 20.384, 358.467

Trichromacy



Original Color
85, 85.590, 95.810

Protanomaly
85, 85.422, 95.195

Deuteranomaly
85, 68.691, 89.287

Tritanomaly
84, 39.650, 81.567

Monochromacy



Original Color
85, 85.590, 95.810

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 40.283, 101.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.590, 95.810 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(238, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 214, 0)  
}
```

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(238, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 214, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.590, 95.810 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(238, 214, 0) }
```

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

```
.border{ border-color:rgb(238, 214, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 214,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.590, 95.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 214, 0) }
```

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

```
.background{ background-color: rgb(238,  
214, 0) }
```

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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