

Converting Colors

CIELCh(82, 81.786, 95.216)

Have a look what the booklet for
CIELCh(82, 81.786, 95.216) contains.

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Color

CIELCh(82, 81.890, 95.216)

Conversions

Conversions Part 1

Format	Color
Hex	E6CD0B
RGB	230, 205, 11
RGB Percent	90%, 80%, 4%
CMY	0.0994, 0.1973, 0.9568
CMYK	0.00, 0.11, 0.95, 0.10
HSL	53°, 91%, 47%
HSV	53°, 95%, 90%
XYZ	54.3345, 60.2982, 9.0912
YIQ	190.3590, 77.1740, -55.0340

Conversions

Conversions Part 2

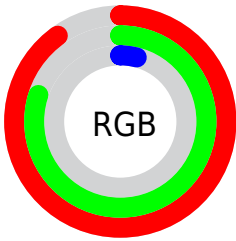
Format	Color
R _Y B	39, 230, 11
Decimal	15125771
CIE Lab	82.00, -7.44, 81.55
CIE LCh	82, 81.890, 95.216
Yxy	60.2982, 0.4392, 0.4874
Android (android.graphics.Color)	4293315851 (0xFFE6CD0B)
YUV	190.3590, -88.4240, 34.7652
Hunter-Lab	77.6519, -10.9910, 47.4149

Details

The CIELCh color **82, 81.890, 95.216** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **32, 113.864, 304.142**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **62, 66.190, 95.154** is the 20% darker color. If you saturate the color by 10%, you get **82, 82.617, 94.796**, and if you desaturate by 10%, it is **83, 78.949, 96.115**.

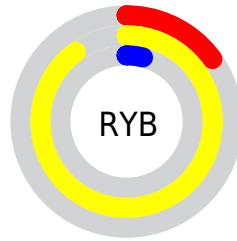
Distribution



Red (90%)

Green (80%)

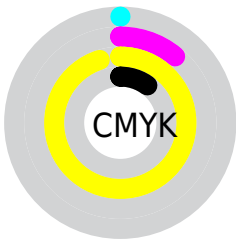
Blue (4%)



Red (15%)

Yellow (90%)

Blue (4%)

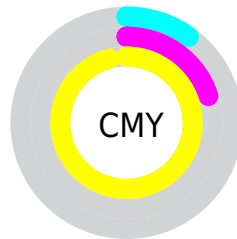


Cyan (0%)

Magenta (11%)

Yellow (95%)

Black (10%)



Cyan (10%)

Magenta (20%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 81.890, 95.216 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 82, 81.890, 95.216 by changing the saturation by 10% instead.

 82, 81.890, 95.216

 82, 81.890, 95.216

 100, 81.890,
95.216

 72, 81.890, 95.216

 62, 81.890, 95.216

 52, 81.890, 95.216


 42, 81.890, 95.216

 32, 81.890, 95.216

 22, 81.890, 95.216

 12, 81.890, 95.216

 2, 81.890, 95.216

 0, 81.890, 95.216

■ 82, 81.890, 95.216

■ 82, 81.890, 95.216

■ 82, 82.617, 94.796

■ 83, 78.949, 96.115

■ 84, 73.432, 97.056

■ 84, 65.894, 98.054

■ 85, 56.995, 99.102

■ 86, 47.265,
100.185

■ 87, 37.065,
101.287

■ 88, 26.620,
102.390

■ 89, 16.067,
103.481

■ 91, 5.489, 104.539

Harmonies

Complementary

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



82, 81.890, 95.216



32, 113.864, 304.142

Rectangle

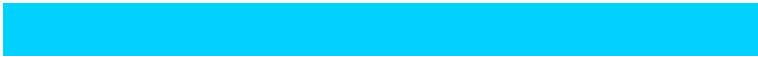
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 81.890, 95.216



82, 81.890, 145.216



82, 81.890, 275.216



82, 81.890, 325.216

Sweetspot

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



82, 81.889, 95.218



96, 33.313, 101.954



48, 88.326, 33.577



51, 22.825, 101.480



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 81.889, 95.218



90, 89.389, 94.745



83, 95.704, 123.323



48, 5.994, 104.097



65, 68.506, 94.941



18, 26.391, 96.909

Inverse Universe

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



32, 113.864, 304.142



34, 127.832, 305.016



35, 116.041, 309.642



44, 6.096, 286.183



23, 96.539, 304.644



3, 31.017, 294.453

Previews

White Background



This preview shows how the CIELCh color 82, 81.890, 95.216 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 82, 81.890, 95.216 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 82, 81.890, 95.216

Background



This preview shows how black text looks on a background with the CIELCh color 82, 81.890, 95.216.



This preview shows how white text looks on a background with the CIELCh color 82, 81.890, 95.216.

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

82, 81.988, 95.216

Protanopia

82, 81.988, 95.216

Deuteranopia

82, 72.276, 82.084



Tritanopia
82, 20.902, 358.995

Trichromacy



Original Color
82, 81.988, 95.216

Protanomaly
82, 81.988, 95.216

Deuteranomaly
82, 76.583, 87.353

Tritanomaly
81, 37.136, 78.319

Monochromacy



Original Color
82, 81.988, 95.216

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 36.976, 100.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 81.890, 95.216 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, 205, 11)` looks like.

```
.text, #text, p{  
    color:rgb(230, 205, 11)  
}
```

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, 205, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 205, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 81.890, 95.216 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, 205, 11) }
```

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

```
.border{ border-color:rgb(230, 205, 11) }
```

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

Here you see how a box with a 4 pixel rgb(230, 205, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 205, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 205, 11);  
box-shadow:4px 4px 4px 4px rgb(230, 205,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 81.890, 95.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 205, 11) }
```

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

```
.background{ background-color: rgb(230,  
205, 11) }
```

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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