

Converting Colors

CIELCh(82, 83.374, 96.494)

Have a look what the booklet for
CIELCh(82, 83.374, 96.494) contains.

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Color

CIELCh(82, 83.056, 96.462)

Conversions

Conversions Part 1

Format	Color
Hex	E3CE00
RGB	227, 206, 0
RGB Percent	89%, 81%, 0%
CMY	0.1109, 0.1932, 1.0000
CMYK	0.00, 0.09, 1.00, 0.11
HSL	54°, 100%, 44%
HSV	54°, 100%, 89%
XYZ	53.5905, 60.2982, 8.7897
YIQ	188.7950, 78.6420, -59.6140

Conversions

Conversions Part 2

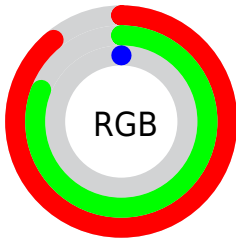
Format	Color
R _Y B	23, 227, 0
Decimal	14929408
CIE Lab	82.00, -9.35, 82.53
CIE LCh	82, 83.056, 96.462
Yxy	60.2982, 0.4368, 0.4915
Android (android.graphics.Color)	4293119488 (0xFFE3CE00)
YUV	188.7950, -93.0759, 33.5058
Hunter-Lab	77.6519, -12.7013, 47.6451

Details

The CIELCh color **82, 83.056, 96.462** 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 **30, 118.063, 305.280**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **62, 66.256, 96.802** is the 20% darker color. If you saturate the color by 10%, you get **82, 82.978, 96.465**, and if you desaturate by 10%, it is **83, 81.035, 97.198**.

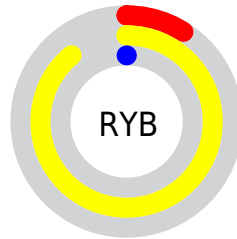
Distribution



Red (89%)

Green (81%)

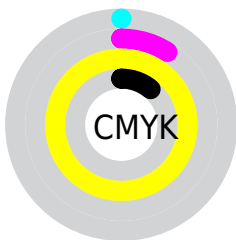
Blue (0%)



Red (9%)

Yellow (89%)

Blue (0%)

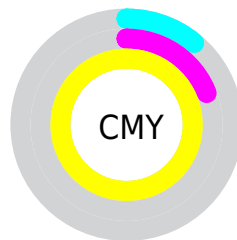


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 83.056, 96.462 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, 83.056, 96.462 by changing the saturation by 10% instead.

 82, 83.056, 96.462

 82, 83.056, 96.462

 100, 83.056,
96.462

 72, 83.056, 96.462

 62, 83.056, 96.462

 52, 83.056, 96.462

 42, 83.056, 96.462

 32, 83.056, 96.462

 22, 83.056, 96.462

 12, 83.056, 96.462

 2, 83.056, 96.462

 0, 83.056, 96.462

■ 82, 83.056, 96.462

■ 82, 83.056, 96.462

■ 82, 82.978, 96.465

■ 83, 81.035, 97.198

■ 83, 76.737, 97.997

■ 84, 70.129, 98.881

■ 85, 61.833, 99.843

■ 85, 52.441,
100.862

■ 86, 42.393,
101.917

■ 87, 31.977,
102.990

■ 88, 21.371,
104.062

■ 89, 10.687,
105.118

Harmonies

Complementary

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



82, 83.056, 96.462



30, 118.063, 305.280

Rectangle

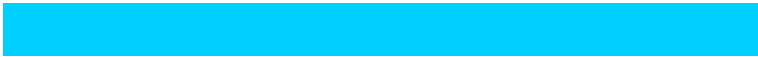
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 83.056, 96.462



82, 83.056, 146.462



82, 83.056, 276.462



82, 83.056, 326.462

Sweetspot

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



82, 82.978, 96.465



97, 35.174, 102.969



47, 91.367, 36.433



51, 23.950, 102.513



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, 82.978, 96.465



91, 90.656, 96.420



82, 96.742, 124.561



47, 6.018, 105.176



65, 68.728, 96.580



18, 25.576, 98.564

Inverse Universe

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



30, 118.063, 305.280



34, 129.449, 305.370



33, 116.785, 309.726



43, 6.127, 287.220



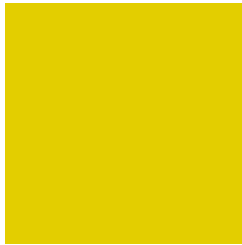
22, 96.830, 305.032



3, 29.607, 293.885

Previews

White Background



This preview shows how the CIELCh color 82, 83.056, 96.462 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, 83.056, 96.462 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, 83.056, 96.462

Background



This preview shows how black text looks on a background with the CIELCh color 82, 83.056, 96.462.

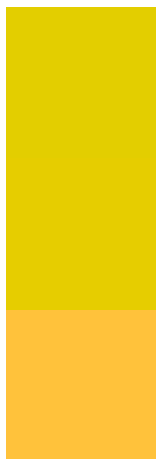


This preview shows how white text looks on a background with the CIELCh color 82, 83.056, 96.462.

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, 83.056, 96.462

Protanopia

82, 82.999, 95.220

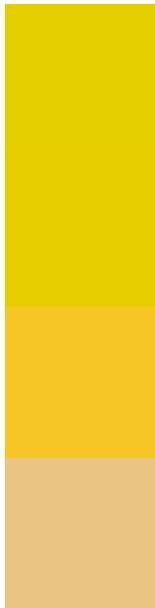
Deuteranopia

82, 72.276, 82.084



Tritanopia
82, 19.493, 357.141

Trichromacy



Original Color
82, 83.056, 96.462

Protanomaly
82, 82.935, 95.523

Deuteranomaly
82, 77.455, 87.774

Tritanomaly
81, 38.145, 81.716

Monochromacy



Original Color
82, 83.056, 96.462

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 39.455, 101.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 83.056, 96.462 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(227, 206, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 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(227, 206, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 83.056, 96.462 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(227, 206, 0) }
```

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

```
.border{ border-color:rgb(227, 206, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 206, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 83.056, 96.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 0) }
```

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

```
.background{ background-color: rgb(227,  
206, 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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