

Converting Colors

CIELCh(83, 59.399, 90.332)

Have a look what the booklet for
CIELCh(83, 59.399, 90.332) contains.

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Color

CIELCh(83, 59.425, 90.298)

Conversions

Conversions Part 1

Format	Color
Hex	EFCC5B
RGB	239, 204, 91
RGB Percent	94%, 80%, 36%
CMY	0.0636, 0.2007, 0.6438
CMYK	0.00, 0.15, 0.62, 0.06
HSL	46°, 82%, 65%
HSV	46°, 62%, 94%
XYZ	58.9557, 62.1629, 18.7478
YIQ	201.5830, 57.1330, -27.7230

Conversions

Conversions Part 2

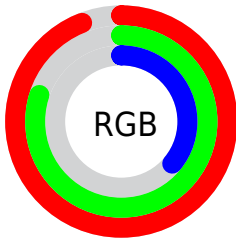
Format	Color
RYB	137, 239, 91
Decimal	15715419
CIELab	83.00, -0.31, 59.42
CIELCh	83, 59.425, 90.298
Yxy	62.1629, 0.4215, 0.4444
Android (android.graphics.Color)	4293905499 (0xFFEFCC5B)
YUV	201.5830, -54.5174, 32.8147
Hunter-Lab	78.8435, -4.5016, 41.0921

Details

The CIELCh color **83, 59.425, 90.298** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **55, 64.664, 290.010**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 54.455, 106.010**, and **63, 59.372, 90.105** is the 20% darker color. If you saturate the color by 10%, you get **81, 67.633, 88.914**, and if you desaturate by 10%, it is **85, 50.311, 91.642**.

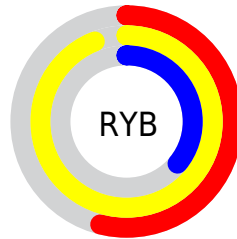
Distribution



Red (94%)

Green (80%)

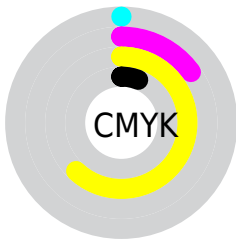
Blue (36%)



Red (54%)

Yellow (94%)

Blue (36%)

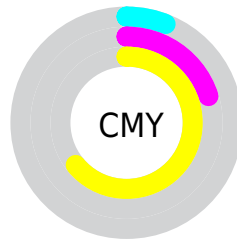


Cyan (0%)

Magenta (15%)

Yellow (62%)

Black (6%)



Cyan (6%)

Magenta (20%)

Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 59.425, 90.298 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, 59.425, 90.298 by changing the saturation by 10% instead.

 83, 59.425, 90.298

 83, 59.425, 90.298

 100, 59.425,
90.298

 73, 59.425, 90.298

 63, 59.425, 90.298

 53, 59.425, 90.298

 43, 59.425, 90.298

 33, 59.425, 90.298

 23, 59.425, 90.298

 13, 59.425, 90.298

 3, 59.425, 90.298

 0, 59.425, 90.298

83, 59.425, 90.298

83, 59.425, 90.298

81, 67.633, 88.914

85, 50.311, 91.642

80, 74.248, 87.437

86, 40.746, 92.953

78, 78.453, 85.789

88, 30.999, 94.237

77, 80.026, 84.304

90, 21.222, 95.490

92, 11.499, 96.703

94, 1.870, 97.794

96, 6.161, 276.004

97, 4.621, 241.223

99, 5.440, 201.237

Harmonies

Complementary

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



83, 59.425, 90.298



55, 64.664, 290.010

Rectangle

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



83, 59.425, 90.298



83, 59.425, 140.298



83, 59.425, 270.298



83, 59.425, 320.298

Sweetspot

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



83, 59.425, 90.301



96, 19.333, 95.846



59, 60.645, 9.538



51, 13.324, 95.494



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, 59.425, 90.301



86, 72.854, 88.585



89, 73.101, 116.347



49, 5.468, 96.997



61, 65.804, 84.660



18, 26.199, 87.303

Inverse Universe

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



55, 64.664, 290.010



52, 83.051, 293.732



50, 85.565, 305.503



47, 5.516, 279.324



27, 87.637, 301.133



5, 31.532, 293.836

Previews

White Background



This preview shows how the CIELCh color 83, 59.425, 90.298 looks on a white background.

Color Contrast Check

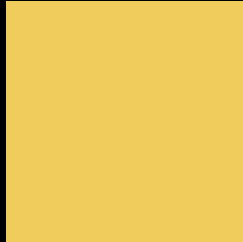
Large Text (above 18pt) WCAG AA × Fail

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, 59.425, 90.298 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, 59.425, 90.298

Background



This preview shows how black text looks on a background with the CIELCh color 83, 59.425, 90.298.



This preview shows how white text looks on a background with the CIELCh color 83, 59.425, 90.298.

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, 59.425, 90.298

Protanopia

83, 58.971, 95.364

Deuteranopia

83, 57.926, 79.747



Tritanopia
83, 22.129, 1.901

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 59.425, 90.298 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(239, 204, 91)` looks like.

```
.text, #text, p{  
    color:rgb(239, 204, 91)  
}
```

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(239, 204, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 204, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 59.425, 90.298 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(239, 204, 91) }
```

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

```
.border{ border-color:rgb(239, 204, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 204, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 204, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 204, 91);  
box-shadow:4px 4px 4px 4px rgb(239, 204,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 59.425, 90.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 204, 91) }
```

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

```
.background{ background-color: rgb(239,  
204, 91) }
```

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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