

Converting Colors

CIELCh(83, 55.180, 88.566)

Have a look what the booklet for
CIELCh(83, 55.180, 88.566) contains.

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Color

CIELCh(83, 55.304, 88.725)

Conversions

Conversions Part 1

Format	Color
Hex	F0CB64
RGB	240, 203, 100
RGB Percent	94%, 80%, 39%
CMY	0.0588, 0.2039, 0.6078
CMYK	0.00, 0.15, 0.58, 0.06
HSL	44°, 82%, 67%
HSV	44°, 58%, 94%
XYZ	59.5966, 62.1629, 20.9161
YIQ	202.3210, 55.1150, -24.1890

Conversions

Conversions Part 2

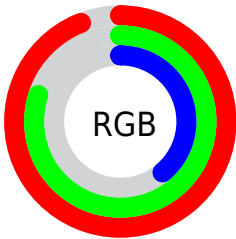
Format	Color
RYB	150, 240, 100
Decimal	15780708
CIELab	83.00, 1.23, 55.29
CIELCh	83, 55.304, 88.725
Yxy	62.1629, 0.4177, 0.4357
Android (android.graphics.Color)	4293970788 (0xFFFF0CB64)
YUV	202.3210, -50.4443, 33.0445
Hunter-Lab	78.8435, -3.0505, 39.4616

Details

The CIELCh color **83, 55.304, 88.725** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **59, 58.478, 287.345**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 50.222, 106.336**, and **63, 55.345, 88.618** is the 20% darker color. If you saturate the color by 10%, you get **81, 63.943, 87.297**, and if you desaturate by 10%, it is **85, 46.024, 90.106**.

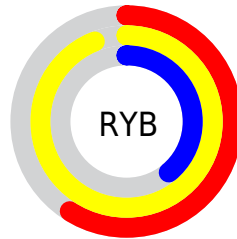
Distribution



Red (94%)

Green (80%)

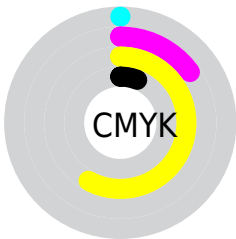
Blue (39%)



Red (59%)

Yellow (94%)

Blue (39%)

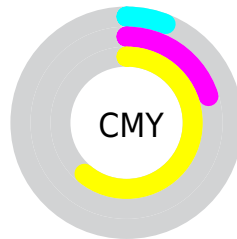


Cyan (0%)

Magenta (15%)

Yellow (58%)

Black (6%)



Cyan (6%)

Magenta (20%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 55.304, 88.725 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, 55.304, 88.725 by changing the saturation by 10% instead.

 83, 55.304, 88.725

 83, 55.304, 88.725

 100, 55.304,
88.725

 73, 55.304, 88.725

 63, 55.304, 88.725

 53, 55.304, 88.725

 43, 55.304, 88.725

 33, 55.304, 88.725

 23, 55.304, 88.725

 13, 55.304, 88.725

 3, 55.304, 88.725

 0, 55.304, 88.725

83, 55.304, 88.725

83, 55.304, 88.725

81, 63.943, 87.297

85, 46.024, 90.106

79, 71.341, 85.769

87, 36.468, 91.446

78, 76.677, 84.059

89, 26.845, 92.753

76, 79.323, 82.053

91, 17.266, 94.022

76, 79.650, 81.707

93, 7.788, 95.240

95, 1.562, 276.603

97, 4.608, 256.950

99, 4.762, 206.939

99, 5.160, 199.207

Harmonies

Complementary

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



83, 55.304, 88.725



59, 58.478, 287.345

Rectangle

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



83, 55.304, 88.725



83, 55.304, 138.725



83, 55.304, 268.725



83, 55.304, 318.725

Sweetspot

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



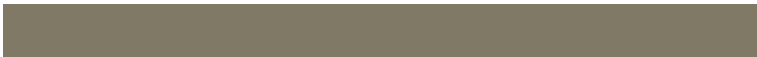
83, 55.304, 88.728



96, 16.804, 94.180



61, 57.569, 7.243



51, 11.255, 93.929



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

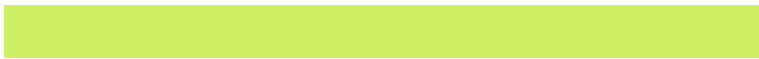
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 55.304, 88.728



85, 68.538, 87.017



90, 69.530, 115.731



49, 5.312, 95.104



59, 65.233, 82.120



18, 25.671, 84.894

Inverse Universe

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



59, 58.478, 287.345



55, 75.041, 290.922



52, 80.669, 304.683



47, 5.346, 277.484



28, 84.547, 299.995



6, 30.649, 292.936

Previews

White Background



This preview shows how the CIELCh color 83, 55.304, 88.725 looks on a white background.

Color Contrast Check

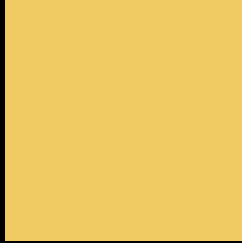
Large Text (above 18pt) WCAG AA × Fail

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, 55.304, 88.725 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, 55.304, 88.725

Background



This preview shows how black text looks on a background with the CIELCh color 83, 55.304, 88.725.



This preview shows how white text looks on a background with the CIELCh color 83, 55.304, 88.725.

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





Tritanopia
83, 23.004, 1.366

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 55.304, 88.725 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(240, 203, 100)` looks like.

```
.text, #text, p{  
    color:rgb(240, 203, 100)  
}
```

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(240, 203, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 203, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 55.304, 88.725 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(240, 203, 100) }
```

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

```
.border{ border-color:rgb(240, 203, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 203, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 203, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 203, 100);  
box-shadow:4px 4px 4px 4px rgb(240, 203,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 55.304, 88.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 203, 100) }
```

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

```
.background{ background-color: rgb(240,  
203, 100) }
```

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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