

Converting Colors

CIELCh(85, 55.440, 87.728)

Have a look what the booklet for
CIELCh(85, 55.440, 87.728) contains.

CIELCh(85, 55.566, 87.623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 55.566, 87.623)

Conversions

Conversions Part 1

Format	Color
Hex	F8D069
RGB	248, 208, 105
RGB Percent	97%, 82%, 41%
CMY	0.0279, 0.1847, 0.5887
CMYK	0.00, 0.16, 0.58, 0.03
HSL	43°, 91%, 69%
HSV	43°, 58%, 97%
XYZ	63.7393, 66.0070, 22.7165
YIQ	208.2180, 56.9030, -23.5530

Conversions

Conversions Part 2

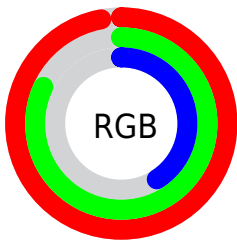
Format	Color
R_{YB}	161, 248, 105
Decimal	16306281
CIE _{Lab}	85.00, 2.30, 55.52
CIE _{LCh}	85, 55.566, 87.623
Yxy	66.0070, 0.4181, 0.4329
Android (android.graphics.Color)	4294496361 (0xFFFF8D069)
YUV	208.2180, -50.8865, 34.8888
Hunter-Lab	81.2447, -2.1387, 40.2935

Details

The CIELCh color **85, 55.566, 87.623** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **62, 58.054, 286.229**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 47.839, 106.520**, and **65, 55.778, 87.523** is the 20% darker color. If you saturate the color by 10%, you get **83, 64.488, 86.166**, and if you desaturate by 10%, it is **87, 46.055, 89.027**.

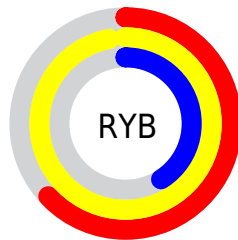
Distribution



Red (97%)

Green (82%)

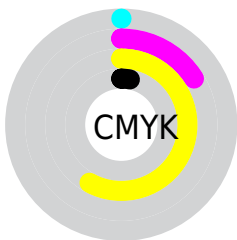
Blue (41%)



Red (63%)

Yellow (97%)

Blue (41%)

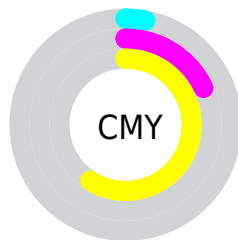


Cyan (0%)

Magenta (16%)

Yellow (58%)

Black (3%)



Cyan (3%)

Magenta (18%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 55.566, 87.623 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, 55.566, 87.623 by changing the saturation by 10% instead.

 85, 55.566, 87.623

 85, 55.566, 87.623

 100, 55.566,
87.623

 75, 55.566, 87.623

 65, 55.566, 87.623

 55, 55.566, 87.623

 45, 55.566, 87.623

 35, 55.566, 87.623

 25, 55.566, 87.623

 15, 55.566, 87.623

 5, 55.566, 87.623

 0, 55.566, 87.623

85, 55.566, 87.623

85, 55.566, 87.623

83, 64.488, 86.166

87, 46.055, 89.027

81, 72.224, 84.597

89, 36.312, 90.387

79, 77.926, 82.827

91, 26.537, 91.710

78, 80.843, 80.720

93, 16.832, 92.993

77, 81.309, 80.207

96, 7.252, 94.222

98, 2.184, 275.568

99, 2.469, 199.517

Harmonies

Complementary

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



85, 55.566, 87.623



62, 58.054, 286.229

Rectangle

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



85, 55.566, 87.623



85, 55.566, 137.623



85, 55.566, 267.623



85, 55.566, 317.623

Sweetspot

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



85, 55.566, 87.626



96, 16.550, 93.076



63, 58.560, 5.824



51, 11.087, 92.822



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, 55.566, 87.626



85, 67.102, 85.951



93, 70.480, 115.006



51, 5.410, 94.005



60, 66.313, 80.645



19, 27.772, 83.332

Inverse Universe

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



62, 58.054, 286.229



56, 72.226, 289.689



54, 81.858, 304.196



49, 5.438, 276.423



30, 84.648, 299.372



7, 33.003, 294.032

Previews

White Background



This preview shows how the CIELCh color 85, 55.566, 87.623 looks on a white background.

Color Contrast Check

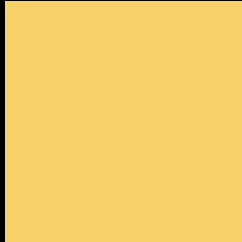
Large Text (above 18pt) WCAG AA × Fail

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, 55.566, 87.623 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, 55.566, 87.623

Background



This preview shows how black text looks on a background with the CIELCh color 85, 55.566, 87.623.



This preview shows how white text looks on a background with the CIELCh color 85, 55.566, 87.623.

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, 55.566, 87.623

Protanopia

85, 55.148, 95.715

Deuteranopia

85, 44.964, 78.274



Tritanopia
85, 22.742, 2.557

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 55.566, 87.623 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(248, 208, 105)` looks like.

```
.text, #text, p{  
    color:rgb(248, 208, 105)  
}
```

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(248, 208, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 208, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 55.566, 87.623 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(248, 208, 105) }
```

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

```
.border{ border-color:rgb(248, 208, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 208, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 208, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 208, 105);  
box-shadow:4px 4px 4px 4px rgb(248, 208,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 55.566, 87.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 208, 105) }
```

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

```
.background{ background-color: rgb(248,  
208, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor