

Converting Colors

CIELCh(85, 56.008, 83.118)

Have a look what the booklet for
CIELCh(85, 56.008, 83.118) contains.

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Color

CIELCh(85, 56.008, 83.118)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD69
RGB	255, 205, 105
RGB Percent	100%, 80%, 41%
CMY	0.0000, 0.1957, 0.5879
CMYK	0.00, 0.20, 0.59, 0.00
HSL	40°, 100%, 71%
HSV	40°, 59%, 100%
XYZ	65.6841, 66.0070, 22.6669
YIQ	208.5500, 61.9000, -20.5000

Conversions

Conversions Part 2

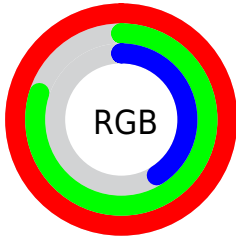
Format	Color
RYB	180, 255, 105
Decimal	16764265
CIELab	85.00, 6.71, 55.60
CIElCh	85, 56.008, 83.118
Yxy	66.0070, 0.4255, 0.4276
Android (android.graphics.Color)	4294954345 (0xFFFFCD69)
YUV	208.5500, -51.0501, 40.7367
Hunter-Lab	81.2447, 2.1341, 40.3296

Details

The CIELCh color **85, 56.008, 83.118** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **65, 56.200, 282.956**, 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, 56.178, 83.167** is the 20% darker color. If you saturate the color by 10%, you get **83, 65.098, 81.604**, and if you desaturate by 10%, it is **87, 46.386, 84.632**.

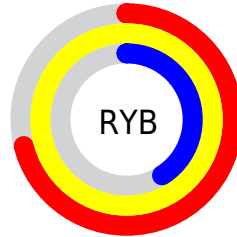
Distribution



Red (100%)

Green (80%)

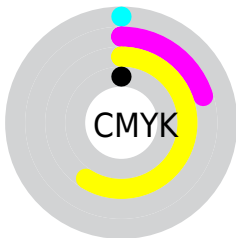
Blue (41%)



Red (71%)

Yellow (100%)

Blue (41%)

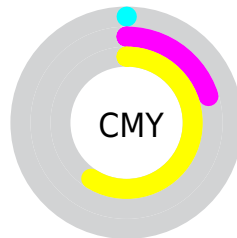


Cyan (0%)

Magenta (20%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 56.008, 83.118 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, 56.008, 83.118 by changing the saturation by 10% instead.

 85, 56.008, 83.118

 85, 56.008, 83.118

 100, 56.008,
83.118

 75, 56.008, 83.118

 65, 56.008, 83.118

 55, 56.008, 83.118

 45, 56.008, 83.118

 35, 56.008, 83.118

 25, 56.008, 83.118

 15, 56.008, 83.118

 5, 56.008, 83.118

 0, 56.008, 83.118

85, 56.008, 83.118

85, 56.008, 83.118

83, 65.098, 81.604

87, 46.386, 84.632

80, 73.087, 79.886

90, 36.645, 86.048

78, 79.037, 77.867

92, 26.955, 87.422

76, 82.205, 75.376

95, 17.410, 88.753

76, 82.512, 75.064

98, 8.051, 90.027

100, 0.012,
296.813

Harmonies

Complementary

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



85, 56.008, 83.118



65, 56.200, 282.956

Rectangle

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



85, 56.008, 83.118



85, 56.008, 133.118



85, 56.008, 263.118



85, 56.008, 313.118

Sweetspot

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



85, 55.990, 83.161



95, 16.666, 88.856



65, 61.452, 2.338



50, 11.617, 88.474



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, 55.990, 83.161



82, 66.990, 81.241



96, 72.769, 112.663



52, 5.213, 89.939



58, 66.476, 75.611



19, 28.101, 78.379

Inverse Universe

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



65, 56.200, 282.956



58, 68.800, 286.904



54, 85.552, 303.127



50, 5.212, 272.449



33, 79.043, 296.715



8, 31.707, 291.582

Previews

White Background



This preview shows how the CIELCh color 85, 56.008, 83.118 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, 56.008, 83.118 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, 56.008, 83.118

Background



This preview shows how black text looks on a background with the CIELCh color 85, 56.008, 83.118.



This preview shows how white text looks on a background with the CIELCh color 85, 56.008, 83.118.

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, 56.008, 83.118

Protanopia

85, 54.230, 95.646

Deuteranopia

85, 44.964, 78.274



Tritanopia
85, 22.506, 5.117

Trichromacy



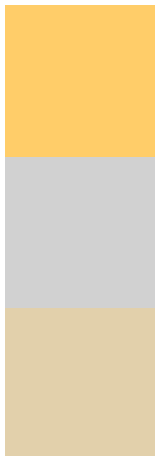
Original Color
85, 56.008, 83.118

Protanomaly
85, 54.422, 91.081

Deuteranomaly
85, 49.057, 80.178

Tritanomaly
85, 26.994, 54.548

Monochromacy



Original Color
85, 56.008, 83.118

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 20.668, 88.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 56.008, 83.118 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(255, 205, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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(255, 205, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 56.008, 83.118 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(255, 205, 105) }
```

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

```
.border{ border-color:rgb(255, 205, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 56.008, 83.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 105) }
```

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

```
.background{ background-color: rgb(255,  
205, 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](#).

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