

Converting Colors

CIELCh(80, 65.023, 80.967)

Have a look what the booklet for
CIELCh(80, 65.023, 80.967) contains.

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Color

CIELCh(80, 65.023, 80.967)

Conversions

Conversions Part 1

Format	Color
Hex	F8BD49
RGB	248, 189, 73
RGB Percent	97%, 74%, 29%
CMY	0.0285, 0.2597, 0.7146
CMYK	0.00, 0.24, 0.71, 0.03
HSL	40°, 92%, 63%
HSV	40°, 71%, 97%
XYZ	57.9605, 56.6813, 14.1484
YIQ	193.4170, 72.4000, -23.5680

Conversions

Conversions Part 2

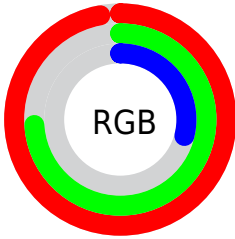
Format	Color
RYB	162, 248, 73
Decimal	16301385
CIELab	80.00, 10.21, 64.22
CIELCh	80, 65.023, 80.967
Yxy	56.6813, 0.4500, 0.4401
Android (android.graphics.Color)	4294491465 (0xFFF8BD49)
YUV	193.4170, -59.3656, 47.8693
Hunter-Lab	75.2870, 5.6679, 41.5588

Details

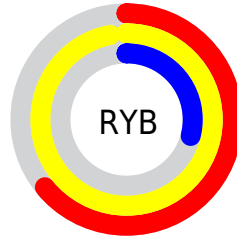
The CIELCh color **80, 65.023, 80.967** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **57, 66.395, 286.452**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 58.594, 101.573**, and **60, 64.908, 81.081** is the 20% darker color. If you saturate the color by 10%, you get **78, 72.581, 79.207**, and if you desaturate by 10%, it is **82, 56.251, 82.551**.

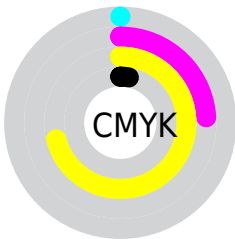
Distribution



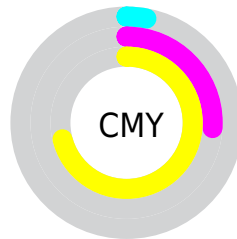
- Red (97%)
- Green (74%)
- Blue (29%)



- Red (64%)
- Yellow (97%)
- Blue (29%)



- Cyan (0%)
- Magenta (24%)
- Yellow (71%)
- Black (3%)



- Cyan (3%)
- Magenta (26%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 65.023, 80.967 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 80, 65.023, 80.967 by changing the saturation by 10% instead.

 80, 65.023, 80.967

 80, 65.023, 80.967

 100, 65.023,
80.967

 70, 65.023, 80.967

 60, 65.023, 80.967

 50, 65.023, 80.967

 40, 65.023, 80.967

 30, 65.023, 80.967

 20, 65.023, 80.967

 10, 65.023, 80.967

 0, 65.023, 80.967

 80, 65.023, 80.967

 80, 65.023, 80.967

78, 72.581, 79.207

82, 56.251, 82.551

76, 77.994, 77.106

85, 46.924, 84.035

74, 80.716, 74.717

87, 37.427, 85.460

89, 27.964, 86.842

92, 18.638, 88.181

95, 9.493, 89.468

97, 0.544, 90.228

99, 2.517, 199.509

Harmonies

Complementary

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



80, 65.023, 80.967



57, 66.395, 286.452

Rectangle

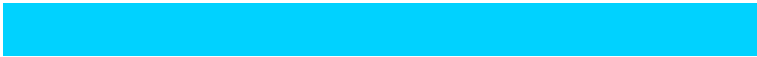
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 65.023, 80.967



80, 65.023, 130.967



80, 65.023, 260.967



80, 65.023, 310.967

Sweetspot

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



80, 65.023, 80.970



94, 19.434, 88.127



58, 70.125, 4.379



50, 13.193, 87.761



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 65.023, 80.970



79, 77.012, 78.315



93, 82.070, 111.424



51, 5.107, 89.608



58, 65.803, 75.251



18, 26.898, 78.031

Inverse Universe

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



57, 66.395, 286.452



51, 83.205, 291.680



44, 101.277, 304.460



49, 5.103, 272.119



32, 77.670, 296.450



8, 30.419, 290.978

Previews

White Background



This preview shows how the CIELCh color 80, 65.023, 80.967 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 80, 65.023, 80.967 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 80, 65.023, 80.967

Background



This preview shows how black text looks on a background with the CIELCh color 80, 65.023, 80.967.



This preview shows how white text looks on a background with the CIELCh color 80, 65.023, 80.967.

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

80, 65.023, 80.967

Protanopia

80, 62.502, 95.297

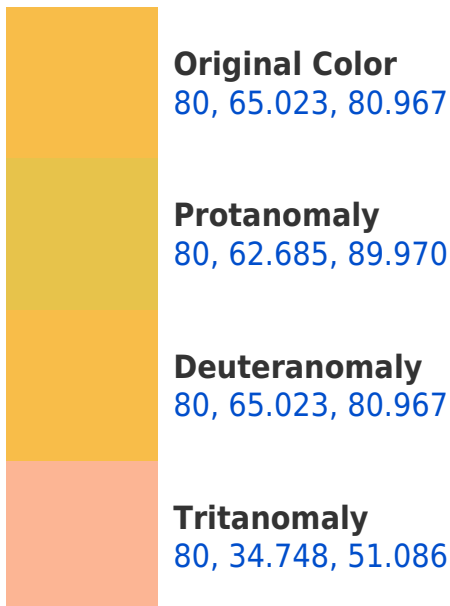
Deuteranopia

80, 65.023, 80.967



Tritanopia
80, 30.632, 8.277

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 65.023, 80.967 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, 189, 73)` looks like.

```
.text, #text, p{  
    color:rgb(248, 189, 73)  
}
```

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, 189, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 189, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 65.023, 80.967 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, 189, 73) }
```

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

```
.border{ border-color:rgb(248, 189, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 189, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 189, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 189, 73);  
box-shadow:4px 4px 4px 4px rgb(248, 189,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 65.023, 80.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 189, 73) }
```

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

```
.background{ background-color: rgb(248,  
189, 73) }
```

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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