

Converting Colors

CIELCh(77, 58.308, 75.633)

Have a look what the booklet for
CIELCh(77, 58.308, 75.633) contains.

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Color

CIELCh(77, 58.261, 75.674)

Conversions

Conversions Part 1

Format	Color
Hex	F3B253
RGB	243, 178, 83
RGB Percent	95%, 70%, 33%
CMY	0.0470, 0.3019, 0.6744
CMYK	0.00, 0.27, 0.66, 0.05
HSL	36°, 87%, 64%
HSV	36°, 66%, 95%
XYZ	54.4560, 51.5317, 15.2637
YIQ	186.6050, 69.2350, -15.7650

Conversions

Conversions Part 2

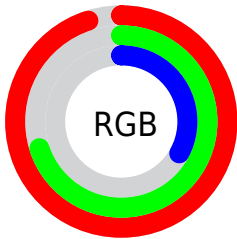
Format	Color
RYB	192, 243, 83
Decimal	15970899
CIELab	77.00, 14.42, 56.45
CIELCh	77, 58.261, 75.674
Yxy	51.5317, 0.4491, 0.4250
Android (android.graphics.Color)	4294160979 (0xFFFF3B253)
YUV	186.6050, -51.0773, 49.4584
Hunter-Lab	71.7856, 9.7838, 37.6431

Details

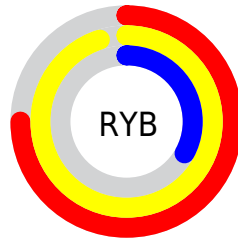
The CIELCh color **77, 58.261, 75.674** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **61, 54.527, 279.380**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 50.228, 96.305**, and **57, 58.318, 75.311** is the 20% darker color. If you saturate the color by 10%, you get **74, 66.779, 73.981**, and if you desaturate by 10%, it is **80, 49.148, 77.216**.

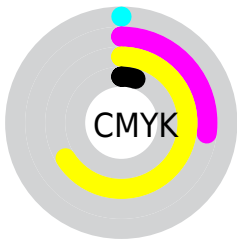
Distribution



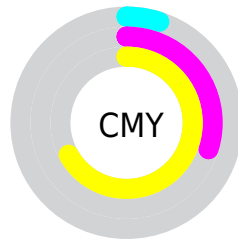
- Red (95%)
- Green (70%)
- Blue (33%)



- Red (75%)
- Yellow (95%)
- Blue (33%)



- Cyan (0%)
- Magenta (27%)
- Yellow (66%)
- Black (5%)



- Cyan (5%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 58.261, 75.674 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 77, 58.261, 75.674 by changing the saturation by 10% instead.

77, 58.261, 75.674

77, 58.261, 75.674

100, 58.261,
75.674

67, 58.261, 75.674

97, 58.261, 75.674

57, 58.261, 75.674

47, 58.261, 75.674

37, 58.261, 75.674

27, 58.261, 75.674

17, 58.261, 75.674

7, 58.261, 75.674

0, 58.261, 75.674

77, 58.261, 75.674

77, 58.261, 75.674

74, 66.779, 73.981

80, 49.148, 77.216

72, 73.909, 71.968

82, 39.904, 78.673

70, 78.616, 69.378

85, 30.764, 80.083

69, 80.026, 68.178

88, 21.840, 81.453

91, 13.175, 82.782

94, 4.775, 84.037

97, 3.369, 265.467

99, 4.134, 199.303

Harmonies

Complementary

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



77, 58.261, 75.674



61, 54.527, 279.380

Rectangle

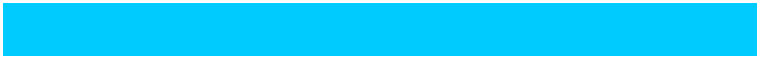
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 58.261, 75.674



77, 58.261, 125.674



77, 58.261, 255.674



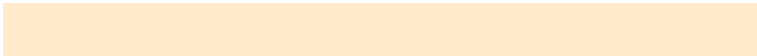
77, 58.261, 305.674

Sweetspot

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



77, 58.260, 75.678



94, 17.416, 82.228



59, 66.397, 357.862



49, 11.936, 81.853



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 58.260, 75.678



77, 71.958, 73.350



92, 76.183, 108.329



50, 4.706, 83.595



54, 65.436, 68.800



16, 24.992, 71.161

Inverse Universe

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



61, 54.527, 279.380



57, 68.548, 284.337



46, 93.098, 302.467



48, 4.664, 266.169



35, 68.257, 291.998



9, 26.146, 285.562

Previews

White Background



This preview shows how the CIELCh color 77, 58.261, 75.674 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 CIE LCh color 77, 58.261, 75.674 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 77, 58.261, 75.674

Background



This preview shows how black text looks on a background with the CIELCh color 77, 58.261, 75.674.

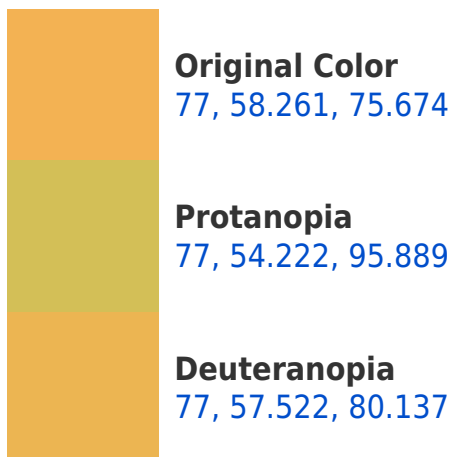


This preview shows how white text looks on a background with the CIELCh color 77, 58.261, 75.674.

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
77, 32.357, 11.136

Trichromacy



Original Color
77, 58.261, 75.674

Protanomaly
77, 54.518, 87.881

Deuteranomaly
77, 58.014, 78.429

Tritanomaly
77, 34.833, 45.729

Monochromacy



Original Color
77, 58.261, 75.674

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 21.007, 82.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 58.261, 75.674 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(243, 178, 83)` looks like.

```
.text, #text, p{  
    color:rgb(243, 178, 83)  
}
```

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(243, 178, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 178, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 58.261, 75.674 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(243, 178, 83) }
```

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

```
.border{ border-color:rgb(243, 178, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 178, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 178, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 178, 83);  
box-shadow:4px 4px 4px 4px rgb(243, 178,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 58.261, 75.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 178, 83) }
```

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

```
.background{ background-color: rgb(243,  
178, 83) }
```

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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