

Converting Colors

CIELCh(78, 58.338, 76.620)

Have a look what the booklet for
CIELCh(78, 58.338, 76.620) contains.

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Color

CIELCh(78, 58.295, 76.319)

Conversions

Conversions Part 1

Format	Color
Hex	F5B555
RGB	245, 181, 85
RGB Percent	96%, 71%, 33%
CMY	0.0385, 0.2896, 0.6661
CMYK	0.00, 0.26, 0.65, 0.04
HSL	36°, 89%, 65%
HSV	36°, 65%, 96%
XYZ	55.9173, 53.2120, 15.9491
YIQ	189.1920, 68.9600, -16.2880

Conversions

Conversions Part 2

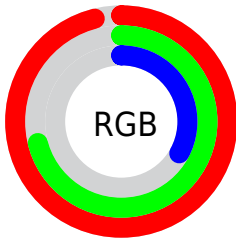
Format	Color
RYB	192, 245, 85
Decimal	16102741
CIELab	78.00, 13.79, 56.64
CIELCh	78, 58.295, 76.319
Yxy	53.2120, 0.4471, 0.4254
Android (android.graphics.Color)	4294292821 (0xFFFF5B555)
YUV	189.1920, -51.3667, 48.9436
Hunter-Lab	72.9466, 9.1731, 38.0993

Details

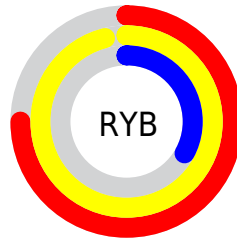
The CIELCh color **78, 58.295, 76.319** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **62, 54.951, 279.724**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 50.391, 97.788**, and **58, 58.418, 76.060** is the 20% darker color. If you saturate the color by 10%, you get **75, 66.884, 74.634**, and if you desaturate by 10%, it is **81, 49.117, 77.859**.

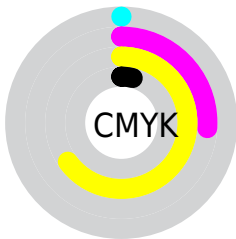
Distribution



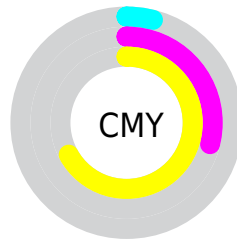
- Red (96%)
- Green (71%)
- Blue (33%)



- Red (75%)
- Yellow (96%)
- Blue (33%)



- Cyan (0%)
- Magenta (26%)
- Yellow (65%)
- Black (4%)



- Cyan (4%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 58.295, 76.319 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 78, 58.295, 76.319 by changing the saturation by 10% instead.

78, 58.295, 76.319

78, 58.295, 76.319

100, 58.295,
76.319

68, 58.295, 76.319

98, 58.295, 76.319

58, 58.295, 76.319

48, 58.295, 76.319

38, 58.295, 76.319

28, 58.295, 76.319

18, 58.295, 76.319

8, 58.295, 76.319

0, 58.295, 76.319

78, 58.295, 76.319

78, 58.295, 76.319

75, 66.884, 74.634

81, 49.117, 77.859

73, 74.102, 72.645

83, 39.807, 79.317

71, 78.915, 70.103

86, 30.596, 80.727

70, 80.471, 68.738

89, 21.596, 82.098

92, 12.847, 83.426

95, 4.360, 84.673

98, 3.079, 258.997

99, 3.398, 199.385

Harmonies

Complementary

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



78, 58.295, 76.319



62, 54.951, 279.724

Rectangle

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



78, 58.295, 76.319



78, 58.295, 126.319



78, 58.295, 256.319



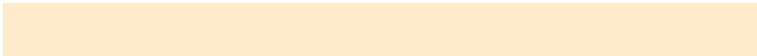
78, 58.295, 306.319

Sweetspot

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



78, 58.295, 76.323



94, 17.504, 82.798



60, 66.417, 357.727



49, 11.994, 82.423



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 58.295, 76.323



78, 71.248, 74.099



93, 76.203, 108.357



50, 4.732, 84.166



54, 65.370, 69.372



16, 25.042, 71.794

Inverse Universe

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



62, 54.951, 279.724



58, 68.337, 284.449



47, 92.910, 302.370



48, 4.694, 266.737



35, 69.021, 292.437



9, 26.425, 286.059

Previews

White Background



This preview shows how the CIELCh color 78, 58.295, 76.319 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 78, 58.295, 76.319 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 78, 58.295, 76.319

Background



This preview shows how black text looks on a background with the CIELCh color 78, 58.295, 76.319.



This preview shows how white text looks on a background with the CIELCh color 78, 58.295, 76.319.

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

78, 58.295, 76.319

Protanopia

78, 54.253, 95.496

Deuteranopia

78, 57.829, 80.392



Tritanopia
78, 31.869, 10.899

Trichromacy



Original Color
78, 58.295, 76.319

Protanomaly
78, 54.722, 88.512

Deuteranomaly
78, 58.089, 79.072

Tritanomaly
78, 34.980, 46.444

Monochromacy



Original Color
78, 58.295, 76.319

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 20.961, 82.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 58.295, 76.319 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(245, 181, 85)` looks like.

```
.text, #text, p{  
    color:rgb(245, 181, 85)  
}
```

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(245, 181, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 181, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 58.295, 76.319 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(245, 181, 85) }
```

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

```
.border{ border-color:rgb(245, 181, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 181, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 181, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 181, 85);  
box-shadow:4px 4px 4px 4px rgb(245, 181,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 58.295, 76.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 181, 85) }
```

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

```
.background{ background-color: rgb(245,  
181, 85) }
```

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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