

Converting Colors

CIELCh(78, 56.841, 68.530)

Have a look what the booklet for
CIELCh(78, 56.841, 68.530) contains.

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Color

CIELCh(78, 56.784, 68.220)

Conversions

Conversions Part 1

Format	Color
Hex	FFB05E
RGB	255, 176, 94
RGB Percent	100%, 69%, 37%
CMY	0.0000, 0.3092, 0.6308
CMYK	0.00, 0.31, 0.63, 0.00
HSL	31°, 100%, 68%
HSV	31°, 63%, 100%
XYZ	58.8839, 53.2120, 17.7905
YIQ	190.2730, 73.4060, -8.7540

Conversions

Conversions Part 2

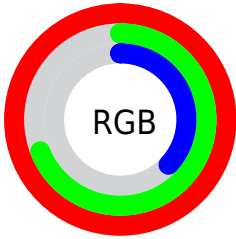
Format	Color
R _Y B	249, 255, 94
Decimal	16756830
CIE Lab	78.00, 21.07, 52.73
CIE LCh	78, 56.784, 68.220
Yxy	53.2120, 0.4533, 0.4097
Android (android.graphics.Color)	4294946910 (0xFFFFB05E)
YUV	190.2730, -47.4626, 56.7656
Hunter-Lab	72.9466, 16.4322, 36.6027

Details

The CIELCh color **78, 56.784, 68.220** 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 **69, 47.835, 270.344**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.253, 94.479**, and **58, 56.646, 68.017** is the 20% darker color. If you saturate the color by 10%, you get **75, 66.380, 66.787**, and if you desaturate by 10%, it is **81, 46.918, 69.649**.

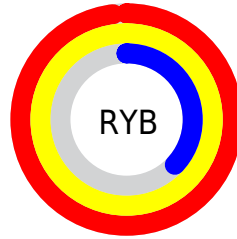
Distribution



Red (100%)

Green (69%)

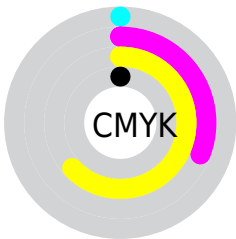
Blue (37%)



Red (98%)

Yellow (100%)

Blue (37%)

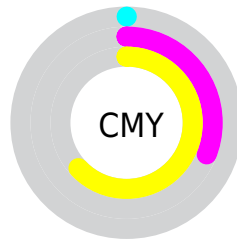


Cyan (0%)

Magenta (31%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 56.784, 68.220 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, 56.784, 68.220 by changing the saturation by 10% instead.

 78, 56.784, 68.220

 78, 56.784, 68.220

 100, 56.784,
68.220

 68, 56.784, 68.220

 98, 56.784, 68.220

 58, 56.784, 68.220

 48, 56.784, 68.220

 38, 56.784, 68.220

 28, 56.784, 68.220

 18, 56.784, 68.220

 8, 56.784, 68.220

 0, 56.784, 68.220

 78, 56.784, 68.220

 78, 56.784, 68.220

75, 66.380, 66.787

81, 46.918, 69.649

72, 75.166, 65.011

85, 37.284, 70.971

69, 81.961, 62.644

88, 27.987, 72.272

67, 85.238, 60.603

92, 19.080, 73.555

95, 10.567, 74.810

99, 2.428, 75.922

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.



78, 56.784, 68.220



69, 47.835, 270.344

Rectangle

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



78, 56.784, 68.220



78, 56.784, 118.220



78, 56.784, 248.220



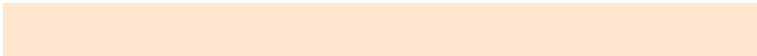
78, 56.784, 298.220

Sweetspot

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



78, 56.733, 68.278



93, 15.559, 74.072



64, 68.887, 351.392



49, 10.779, 73.710



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, 56.733, 68.278



74, 69.077, 66.309



97, 76.329, 104.350



51, 4.555, 75.244



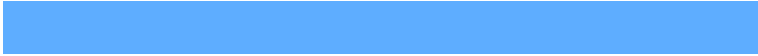
52, 68.420, 61.311



16, 27.009, 62.813

Inverse Universe

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



69, 47.835, 270.344



63, 57.192, 275.309



49, 92.820, 300.450



51, 4.461, 257.794



41, 59.469, 285.139



12, 24.159, 278.663

Previews

White Background



This preview shows how the CIELCh color 78, 56.784, 68.220 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, 56.784, 68.220 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, 56.784, 68.220

Background



This preview shows how black text looks on a background with the CIELCh color 78, 56.784, 68.220.



This preview shows how white text looks on a background with the CIELCh color 78, 56.784, 68.220.

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, 56.784, 68.220

Protanopia

78, 49.073, 95.562

Deuteranopia

78, 54.157, 79.636



Tritanopia
78, 33.427, 12.521

Trichromacy



Original Color
78, 56.784, 68.220

Protanomaly
78, 50.144, 84.922

Deuteranomaly
78, 54.649, 75.295

Tritanomaly
78, 36.888, 41.091

Monochromacy



Original Color
78, 56.784, 68.220

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 19.949, 72.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 56.784, 68.220 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, 176, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 94)  
}
```

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, 176, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 56.784, 68.220 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, 176, 94) }
```

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

```
.border{ border-color:rgb(255, 176, 94) }
```

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

Here you see how a box with a 4 pixel rgb(255, 176, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 56.784, 68.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 94) }
```

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

```
.background{ background-color: rgb(255,  
176, 94) }
```

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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