

Converting Colors

CIELCh(78, 53.478, 65.868)

Have a look what the booklet for
CIELCh(78, 53.478, 65.868) contains.

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Color

CIELCh(78, 53.497, 66.191)

Conversions

Conversions Part 1

Format	Color
Hex	FFB066
RGB	255, 176, 102
RGB Percent	100%, 69%, 40%
CMY	0.0004, 0.3101, 0.6003
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 100%, 70%
HSV	29°, 60%, 100%
XYZ	59.1025, 53.2120, 19.7035
YIQ	191.1850, 70.8380, -6.2660

Conversions

Conversions Part 2

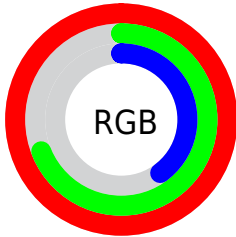
Format	Color
R _Y B	255, 245, 102
Decimal	16756838
CIE Lab	78.00, 21.60, 48.94
CIE LCh	78, 53.497, 66.191
Yxy	53.2120, 0.4477, 0.4031
Android (android.graphics.Color)	4294946918 (0xFFFFB066)
YUV	191.1850, -43.9682, 55.9658
Hunter-Lab	72.9466, 16.9671, 35.0479

Details

The CIELCh color **78, 53.497, 66.191** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **72, 43.957, 266.358**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 40.382, 93.730**, and **58, 53.214, 66.052** is the 20% darker color. If you saturate the color by 10%, you get **75, 63.420, 64.848**, and if you desaturate by 10%, it is **81, 43.622, 67.463**.

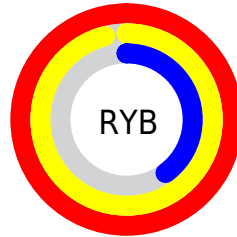
Distribution



Red (100%)

Green (69%)

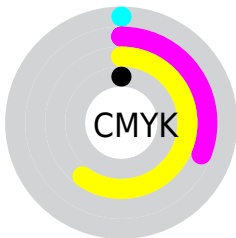
Blue (40%)



Red (100%)

Yellow (96%)

Blue (40%)

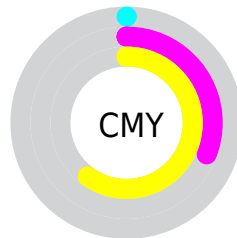


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 53.497, 66.191 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, 53.497, 66.191 by changing the saturation by 10% instead.

 78, 53.497, 66.191

 78, 53.497, 66.191

 100, 53.497,
66.191

 68, 53.497, 66.191

 98, 53.497, 66.191

 58, 53.497, 66.191

 48, 53.497, 66.191

 38, 53.497, 66.191

 28, 53.497, 66.191

 18, 53.497, 66.191

 8, 53.497, 66.191

 0, 53.497, 66.191

 78, 53.497, 66.191

 78, 53.497, 66.191

75, 63.420, 64.848

81, 43.622, 67.463

72, 72.839, 63.288

85, 34.057, 68.706

69, 80.743, 61.240

89, 24.905, 69.943

66, 86.204, 58.462

92, 16.190, 71.171

96, 7.900, 72.368

100, 0.009, 13.524

100, 0.037,
217.531

Harmonies

Complementary

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



78, 53.497, 66.191



72, 43.957, 266.358

Rectangle

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



78, 53.497, 66.191



78, 53.497, 116.191



78, 53.497, 246.191



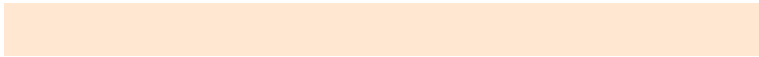
78, 53.497, 296.191

Sweetspot

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



78, 53.496, 66.195



93, 14.489, 71.416



65, 66.719, 349.717



49, 10.143, 71.062



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, 53.496, 66.195



74, 65.375, 64.562



97, 72.265, 103.779



51, 4.480, 72.428



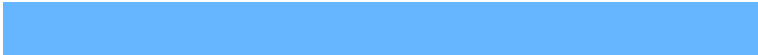
51, 69.173, 59.173



16, 27.031, 60.208

Inverse Universe

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



72, 43.957, 266.358



66, 52.071, 270.806



52, 86.327, 299.208



51, 4.369, 254.928



42, 56.426, 282.544



12, 23.046, 275.862

Previews

White Background



This preview shows how the CIELCh color 78, 53.497, 66.191 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, 53.497, 66.191 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, 53.497, 66.191

Background



This preview shows how black text looks on a background with the CIELCh color 78, 53.497, 66.191.



This preview shows how white text looks on a background with the CIELCh color 78, 53.497, 66.191.

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, 53.497, 66.191

Protanopia

78, 45.151, 95.681

Deuteranopia

78, 50.385, 78.677



Tritanopia
78, 33.427, 12.521

Trichromacy



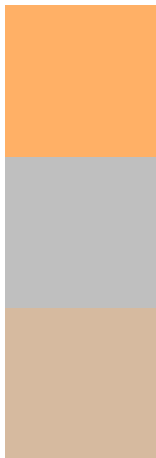
Original Color
78, 53.497, 66.191

Protanomaly
78, 46.434, 83.728

Deuteranomaly
78, 51.181, 73.631

Tritanomaly
78, 36.147, 38.921

Monochromacy



Original Color
78, 53.497, 66.191

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 18.351, 71.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 53.497, 66.191 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 53.497, 66.191 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, 102) }
```

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

```
.border{ border-color:rgb(255, 176, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 53.497, 66.191 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
176, 102) }
```

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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