

Converting Colors

CIELCh(78, 53.560, 67.106)

Have a look what the booklet for
CIELCh(78, 53.560, 67.106) contains.

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Color

CIELCh(78, 53.601, 66.792)

Conversions

Conversions Part 1

Format	Color
Hex	FEB065
RGB	254, 176, 101
RGB Percent	100%, 69%, 40%
CMY	0.0029, 0.3088, 0.6030
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 99%, 70%
HSV	29°, 60%, 100%
XYZ	58.9059, 53.2120, 19.5371
YIQ	190.7720, 70.5630, -6.7890

Conversions

Conversions Part 2

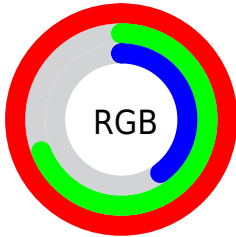
Format	Color
RYB	254, 248, 101
Decimal	16691301
CIELab	78.00, 21.12, 49.26
CIELCh	78, 53.601, 66.792
Yxy	53.2120, 0.4474, 0.4042
Android (android.graphics.Color)	4294881381 (0xFFFE065)
YUV	190.7720, -44.2576, 55.4510
Hunter-Lab	72.9466, 16.4862, 35.1831

Details

The CIELCh color **78, 53.601, 66.792** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **71, 44.383, 267.155**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 40.868, 93.835**, and **58, 53.280, 66.644** is the 20% darker color. If you saturate the color by 10%, you get **75, 63.457, 65.422**, and if you desaturate by 10%, it is **81, 43.767, 68.086**.

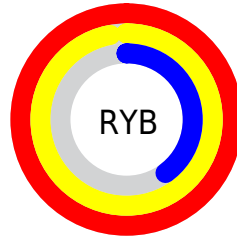
Distribution



Red (100%)

Green (69%)

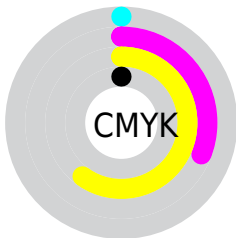
Blue (40%)



Red (100%)

Yellow (97%)

Blue (40%)

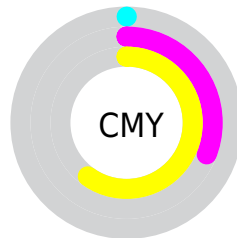


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 53.601, 66.792 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, 53.601, 66.792 by changing the saturation by 10% instead.

 78, 53.601, 66.792

 78, 53.601, 66.792

 100, 53.601,
66.792

 68, 53.601, 66.792

 98, 53.601, 66.792

 58, 53.601, 66.792

 48, 53.601, 66.792

 38, 53.601, 66.792

 28, 53.601, 66.792

 18, 53.601, 66.792

 8, 53.601, 66.792

 0, 53.601, 66.792

 78, 53.601, 66.792

 78, 53.601, 66.792

75, 63.457, 65.422

81, 43.767, 68.086

72, 72.775, 63.828

85, 34.223, 69.349

69, 80.538, 61.743

88, 25.077, 70.602

66, 85.785, 58.987

92, 16.357, 71.843

96, 8.054, 73.053

100, 0.137, 71.038

100, 0.253,
202.015

Harmonies

Complementary

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



78, 53.601, 66.792



71, 44.383, 267.155

Rectangle

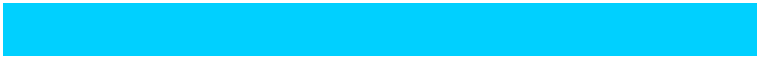
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 53.601, 66.792



78, 53.601, 116.792



78, 53.601, 246.792



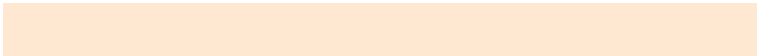
78, 53.601, 296.792

Sweetspot

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



78, 53.600, 66.796



93, 14.540, 72.112



65, 66.742, 349.746



49, 10.176, 71.754



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, 53.600, 66.796



74, 65.361, 65.153



97, 72.296, 103.766



51, 4.497, 73.133



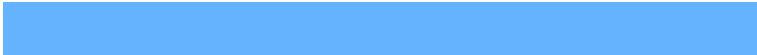
51, 68.978, 59.692



16, 27.020, 60.849

Inverse Universe

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



71, 44.383, 267.155



66, 52.608, 271.538



52, 86.425, 299.246



51, 4.391, 255.648



42, 57.168, 283.207



12, 23.316, 276.575

Previews

White Background



This preview shows how the CIELCh color 78, 53.601, 66.792 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, 53.601, 66.792 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, 53.601, 66.792

Background



This preview shows how black text looks on a background with the CIELCh color 78, 53.601, 66.792.



This preview shows how white text looks on a background with the CIELCh color 78, 53.601, 66.792.

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, 53.601, 66.792

Protanopia

78, 45.636, 95.735

Deuteranopia

78, 50.833, 78.863



Tritanopia
78, 33.427, 12.521

Trichromacy



Original Color
78, 53.601, 66.792

Protanomaly
78, 46.721, 84.377

Deuteranomaly
78, 51.359, 74.249

Tritanomaly
78, 36.147, 38.921

Monochromacy



Original Color
78, 53.601, 66.792

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 18.790, 72.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 53.601, 66.792 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(254, 176, 101)` looks like.

```
.text, #text, p{  
    color:rgb(254, 176, 101)  
}
```

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(254, 176, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 176, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 53.601, 66.792 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(254, 176, 101) }
```

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

```
.border{ border-color:rgb(254, 176, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 176, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 176, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 176, 101);  
box-shadow:4px 4px 4px 4px rgb(254, 176,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 53.601, 66.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 176, 101) }
```

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

```
.background{ background-color: rgb(254,  
176, 101) }
```

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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