

Converting Colors

CIELCh(77, 46.255, 66.169)

Have a look what the booklet for
CIELCh(77, 46.255, 66.169) contains.

CIELCh(77, 46.268, 66.692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 46.268, 66.692)

Conversions

Conversions Part 1

Format	Color
Hex	F5B070
RGB	245, 176, 112
RGB Percent	96%, 69%, 44%
CMY	0.0399, 0.3104, 0.5614
CMYK	0.00, 0.28, 0.54, 0.04
HSL	29°, 87%, 70%
HSV	29°, 54%, 96%
XYZ	56.0011, 51.5317, 22.2786
YIQ	189.3350, 61.6680, -5.2760

Conversions

Conversions Part 2

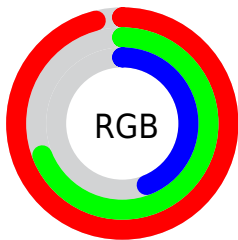
Format	Color
R _Y B	245, 235, 112
Decimal	16101488
CIE Lab	77.00, 18.31, 42.49
CIE LCh	77, 46.268, 66.692
Yxy	51.5317, 0.4314, 0.3970
Android (android.graphics.Color)	4294291568 (0xFFFF5B070)
YUV	189.3350, -38.1262, 48.8182
Hunter-Lab	71.7856, 13.6257, 31.8493

Details

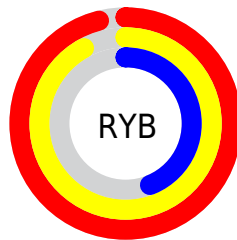
The CIELCh color $77, 46.268, 66.692$ is a light color, and the websafe version is hex `CC9966`. A complement of this color would be $72, 38.638, 264.187$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 35.510, 92.455$, and $57, 46.473, 66.260$ is the 20% darker color. If you saturate the color by 10%, you get $74, 55.899, 65.418$, and if you desaturate by 10%, it is $80, 36.861, 67.936$.

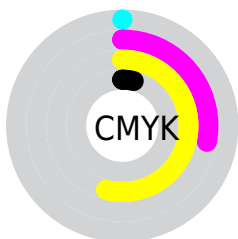
Distribution



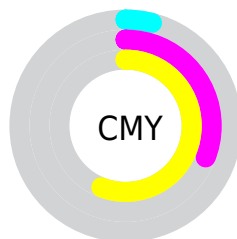
- Red (96%)
- Green (69%)
- Blue (44%)



- Red (96%)
- Yellow (92%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (54%)
- Black (4%)



- Cyan (4%)
- Magenta (31%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 46.268, 66.692 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, 46.268, 66.692 by changing the saturation by 10% instead.

 77, 46.268, 66.692

 77, 46.268, 66.692

 100, 46.268,
66.692

 67, 46.268, 66.692

 97, 46.268, 66.692

 57, 46.268, 66.692

 47, 46.268, 66.692

 37, 46.268, 66.692

 27, 46.268, 66.692

 17, 46.268, 66.692

 7, 46.268, 66.692

 0, 46.268, 66.692

 77, 46.268, 66.692

 77, 46.268, 66.692

74, 55.899, 65.418

80, 36.861, 67.936

71, 65.408, 64.019

84, 27.828, 69.166

68, 74.094, 62.316

87, 19.217, 70.390

65, 80.804, 59.965

91, 11.029, 71.598

64, 83.662, 58.356

95, 3.239, 72.712

99, 2.899, 230.923

99, 3.520, 199.370

Harmonies

Complementary

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



77, 46.268, 66.692



72, 38.638, 264.187

Rectangle

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



77, 46.268, 66.692



77, 46.268, 116.692



77, 46.268, 246.692



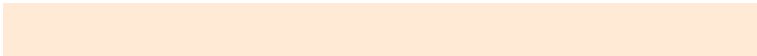
77, 46.268, 296.692

Sweetspot

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



77, 46.267, 66.696



94, 12.798, 71.392



65, 59.883, 347.706



49, 8.686, 71.144



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, 46.267, 66.696



76, 58.474, 65.309



93, 63.283, 103.462



49, 4.325, 72.164



49, 67.840, 59.055



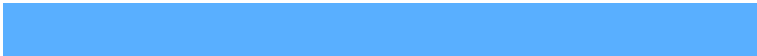
14, 24.649, 59.522

Inverse Universe

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



72, 38.638, 264.187



70, 47.188, 267.834



55, 73.444, 297.306



49, 4.218, 254.649



41, 54.928, 282.195



11, 21.444, 274.746

Previews

White Background



This preview shows how the CIELCh color 77, 46.268, 66.692 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 77, 46.268, 66.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

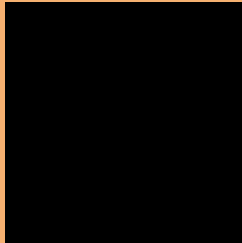
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 46.268, 66.692

Background



This preview shows how black text looks on a background with the CIELCh color 77, 46.268, 66.692.



This preview shows how white text looks on a background with the CIELCh color 77, 46.268, 66.692.

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

77, 46.268, 66.692

Protanopia

77, 39.252, 95.364

Deuteranopia

77, 43.893, 77.138



Tritanopia
77, 32.812, 10.413

Trichromacy



Original Color
77, 46.268, 66.692

Protanomaly
77, 40.392, 84.244

Deuteranomaly
77, 44.818, 73.315

Tritanomaly
77, 33.107, 35.775

Monochromacy



Original Color
77, 46.268, 66.692

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 15.885, 70.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 46.268, 66.692 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, 176, 112)` looks like.

```
.text, #text, p{  
    color:rgb(245, 176, 112)  
}
```

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, 176, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 176, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 46.268, 66.692 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, 176, 112) }
```

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

```
.border{ border-color:rgb(245, 176, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 176, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 176, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 176, 112);  
box-shadow:4px 4px 4px 4px rgb(245, 176,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 46.268, 66.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 176, 112) }
```

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

```
.background{ background-color: rgb(245,  
176, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor