

Converting Colors

CIELCh(76, 60.328, 65.313)

Have a look what the booklet for
CIELCh(76, 60.328, 65.313) contains.

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Color

CIELCh(76, 60.146, 65.737)

Conversions

Conversions Part 1

Format	Color
Hex	FFA855
RGB	255, 168, 85
RGB Percent	100%, 66%, 33%
CMY	0.0003, 0.3414, 0.6669
CMYK	0.00, 0.34, 0.67, 0.00
HSL	29°, 100%, 67%
HSV	29°, 67%, 100%
XYZ	56.8462, 49.8872, 15.2161
YIQ	184.5510, 78.4950, -7.3690

Conversions

Conversions Part 2

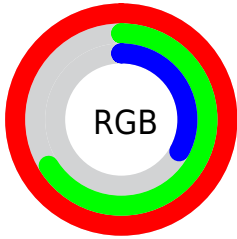
Format	Color
R _Y B	255, 247, 85
Decimal	16754773
CIE Lab	76.00, 24.72, 54.83
CIE LCh	76, 60.146, 65.737
Yxy	49.8872, 0.4661, 0.4091
Android (android.graphics.Color)	4294944853 (0xFFFFA855)
YUV	184.5510, -49.0786, 61.7838
Hunter-Lab	70.6309, 20.0589, 36.6687

Details

The CIELCh color **76, 60.146, 65.737** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **68, 48.812, 269.260**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 45.562, 89.728**, and **56, 60.205, 65.797** is the 20% darker color. If you saturate the color by 10%, you get **73, 69.779, 64.254**, and if you desaturate by 10%, it is **79, 50.219, 67.068**.

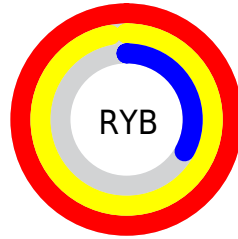
Distribution



Red (100%)

Green (66%)

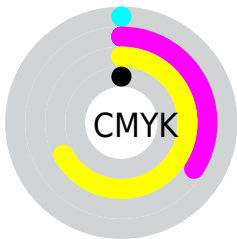
Blue (33%)



Red (100%)

Yellow (97%)

Blue (33%)

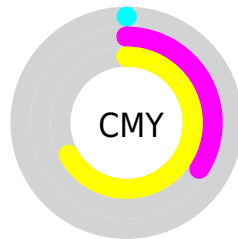


Cyan (0%)

Magenta (34%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 60.146, 65.737 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 76, 60.146, 65.737 by changing the saturation by 10% instead.

 76, 60.146, 65.737

 76, 60.146, 65.737

 100, 60.146,
65.737

 66, 60.146, 65.737

 96, 60.146, 65.737

 56, 60.146, 65.737

 46, 60.146, 65.737

 36, 60.146, 65.737

 26, 60.146, 65.737

 16, 60.146, 65.737

 6, 60.146, 65.737

 0, 60.146, 65.737

 76, 60.146, 65.737

 76, 60.146, 65.737

73, 69.779, 64.254

79, 50.219, 67.068

70, 78.273, 62.390

83, 40.441, 68.340

67, 84.381, 59.779

86, 31.009, 69.593

66, 86.032, 58.828

90, 21.995, 70.838

94, 13.411, 72.069

97, 5.238, 73.246

100, 0.024,
228.218

Harmonies

Complementary

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



76, 60.146, 65.737



68, 48.812, 269.260

Rectangle

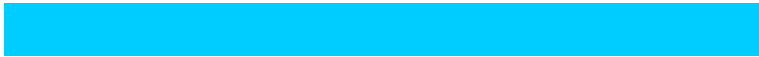
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 60.146, 65.737



76, 60.146, 115.737



76, 60.146, 245.737



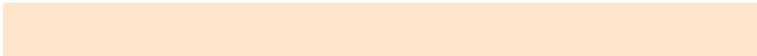
76, 60.146, 295.737

Sweetspot

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



76, 60.145, 65.741



92, 16.219, 71.663



62, 72.316, 351.002



48, 11.143, 71.317



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 60.145, 65.741



72, 72.798, 63.692



97, 78.672, 103.269



51, 4.492, 72.926



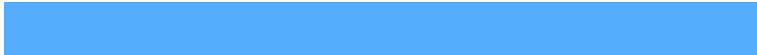
51, 69.035, 59.539



16, 27.023, 60.661

Inverse Universe

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



68, 48.812, 269.260



63, 57.900, 274.682



47, 96.827, 300.742



51, 4.384, 255.437



42, 56.950, 283.014



12, 23.236, 276.367

Previews

White Background



This preview shows how the CIELCh color 76, 60.146, 65.737 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 76, 60.146, 65.737 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 76, 60.146, 65.737

Background



This preview shows how black text looks on a background with the CIELCh color 76, 60.146, 65.737.

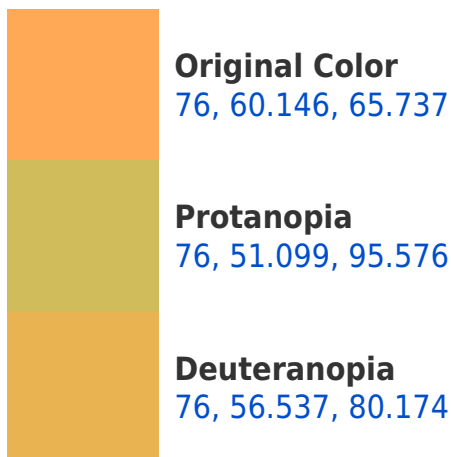


This preview shows how white text looks on a background with the CIELCh color 76, 60.146, 65.737.

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





Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 60.146, 65.737

Protanomaly
76, 52.280, 83.752

Deuteranomaly
76, 57.402, 74.682

Tritanomaly
76, 40.796, 40.429

Monochromacy



Original Color
76, 60.146, 65.737

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 20.889, 70.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 60.146, 65.737 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, 168, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 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(255, 168, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 60.146, 65.737 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, 168, 85) }
```

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

```
.border{ border-color:rgb(255, 168, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 60.146, 65.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 85) }
```

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

```
.background{ background-color: rgb(255,  
168, 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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