

Converting Colors

CIELCh(80, 80.861, 57.306)

Have a look what the booklet for
CIELCh(80, 80.861, 57.306) contains.

CIELCh(75, 66.617, 66.092)	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(75, 66.617, 66.092)

Conversions

Conversions Part 1

Format	Color
Hex	FFA345
RGB	255, 163, 69
RGB Percent	100%, 64%, 27%
CMY	0.0000, 0.3596, 0.7283
CMYK	0.00, 0.36, 0.73, 0.00
HSL	30°, 100%, 64%
HSV	30°, 73%, 100%
XYZ	56.0292, 48.2781, 12.0399
YIQ	179.7920, 85.0060, -9.7300

Conversions

Conversions Part 2

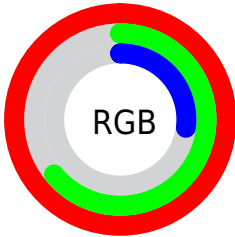
Format	Color
R_{YB}	251, 255, 69
Decimal	16753477
CIE _{Lab}	75.00, 27.00, 60.90
CIE _{LCh}	75, 66.617, 66.092
Yxy	48.2781, 0.4816, 0.4149
Android (android.graphics.Color)	4294943557 (0xFFFFA345)
YUV	179.7920, -54.6205, 65.9574
Hunter-Lab	69.4824, 22.3443, 38.3640

Details

The CIELCh color **75, 66.617, 66.092** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **65, 54.576, 273.636**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 51.580, 88.506**, and **55, 66.308, 66.486** is the 20% darker color. If you saturate the color by 10%, you get **72, 75.006, 64.744**, and if you desaturate by 10%, it is **78, 56.461, 67.972**.

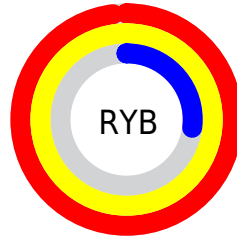
Distribution



Red (100%)

Green (64%)

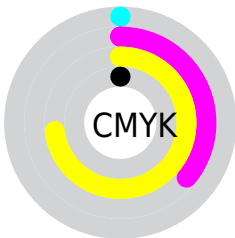
Blue (27%)



Red (98%)

Yellow (100%)

Blue (27%)

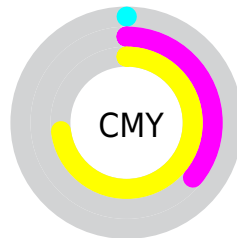


Cyan (0%)

Magenta (36%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 66.617, 66.092 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 75, 66.617, 66.092 by changing the saturation by 10% instead.

75, 66.617, 66.092

75, 66.617, 66.092

100, 66.617,
66.092

65, 66.617, 66.092

95, 66.617, 66.092

55, 66.617, 66.092

45, 66.617, 66.092

35, 66.617, 66.092

25, 66.617, 66.092

15, 66.617, 66.092

5, 66.617, 66.092

0, 66.617, 66.092

75, 66.617, 66.092

75, 66.617, 66.092

72, 75.006, 64.744

78, 56.461, 67.972

69, 81.918, 62.406

81, 46.633, 69.330

67, 85.367, 60.302

85, 37.001, 70.642

88, 27.715, 71.935

92, 18.827, 73.211

95, 10.338, 74.460

99, 2.226, 75.551

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.



75, 66.617, 66.092



65, 54.576, 273.636

Rectangle

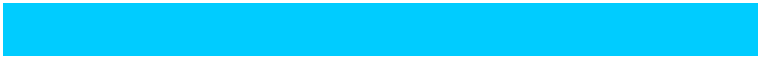
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 66.617, 66.092



75, 66.617, 116.092



75, 66.617, 246.092



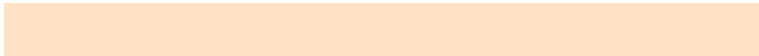
75, 66.617, 296.092

Sweetspot

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



75, 66.146, 66.497



92, 18.104, 73.317



60, 76.146, 353.566



48, 12.242, 72.973



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 66.146, 66.497



71, 78.198, 63.864



97, 84.958, 103.712



51, 4.544, 74.862



51, 68.517, 61.011



16, 27.009, 62.453

Inverse Universe

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



65, 54.576, 273.636



59, 64.832, 279.717



42, 107.966, 302.612



51, 4.447, 257.407



41, 59.044, 284.796



12, 24.003, 278.290

Previews

White Background



This preview shows how the CIELCh color 75, 66.617, 66.092 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 75, 66.617, 66.092 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 75, 66.617, 66.092

Background



This preview shows how black text looks on a background with the CIELCh color 75, 66.617, 66.092.



This preview shows how white text looks on a background with the CIELCh color 75, 66.617, 66.092.

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

75, 66.247, 66.401

Protanopia

75, 57.078, 95.402

Deuteranopia

75, 61.818, 81.045



Tritanopia
75, 39.464, 14.831

Trichromacy



Original Color
75, 66.247, 66.401

Protanomaly
75, 58.185, 83.708

Deuteranomaly
75, 62.927, 75.653

Tritanomaly
75, 44.200, 42.100

Monochromacy



Original Color
75, 66.247, 66.401

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 23.035, 72.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 66.617, 66.092 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, 163, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 69)  
}
```

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, 163, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 66.617, 66.092 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, 163, 69) }
```

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

```
.border{ border-color:rgb(255, 163, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 66.617, 66.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 69) }
```

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

```
.background{ background-color: rgb(255,  
163, 69) }
```

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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