

Converting Colors

CIELCh(64, 86.177, 54.017)

Have a look what the booklet for
CIELCh(64, 86.177, 54.017) contains.

CIELCh(64, 86.264, 54.075)	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(64, 86.264, 54.075)

Conversions

Conversions Part 1

Format	Color
Hex	FF700F
RGB	255, 112, 15
RGB Percent	100%, 44%, 6%
CMY	0.0009, 0.5614, 0.9423
CMYK	0.00, 0.56, 0.94, 0.00
HSL	24°, 100%, 53%
HSV	24°, 94%, 100%
XYZ	47.0190, 32.8017, 4.2938
YIQ	143.6990, 116.3650, 0.1490

Conversions

Conversions Part 2

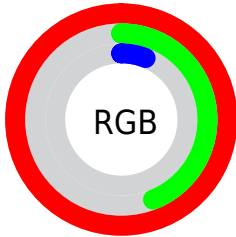
Format	Color
R_{YB}	255, 178, 15
Decimal	16740367
CIE Lab	64.00, 50.61, 69.86
CIE LCh	64, 86.264, 54.075
Yxy	32.8017, 0.5590, 0.3900
Android (android.graphics.Color)	4294930447 (0xFFFF700F)
YUV	143.6990, -63.4486, 97.6110
Hunter-Lab	57.2727, 46.3151, 35.6458

Details

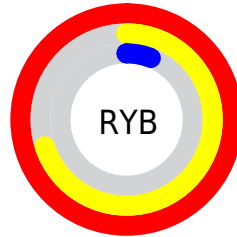
The CIELCh color **64, 86.264, 54.075** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **63, 57.438, 271.132**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 63.642, 67.102**, and **44, 75.624, 47.616** is the 20% darker color. If you saturate the color by 10%, you get **62, 89.795, 52.665**, and if you desaturate by 10%, it is **67, 78.272, 55.983**.

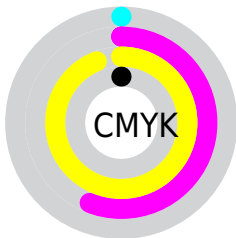
Distribution



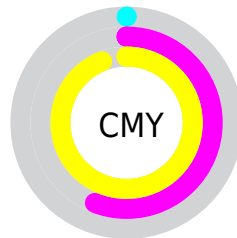
- Red (100%)
- Green (44%)
- Blue (6%)



- Red (100%)
- Yellow (70%)
- Blue (6%)



- Cyan (0%)
- Magenta (56%)
- Yellow (94%)
- Black (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 86.264, 54.075 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 64, 86.264, 54.075 by changing the saturation by 10% instead.

 64, 86.264, 54.075

 64, 86.264, 54.075

 100, 86.264,
54.075

 54, 86.264, 54.075

 84, 86.264, 54.075

 44, 86.264, 54.075

 94, 86.264, 54.075

 34, 86.264, 54.075

 24, 86.264, 54.075

 14, 86.264, 54.075

 4, 86.264, 54.075

 0, 86.264, 54.075

 64, 86.264, 54.075

 64, 86.264, 54.075

 62, 89.795, 52.665

 67, 78.272, 55.983

70, 68.396, 57.217

74, 57.916, 58.182

77, 47.536, 59.080

81, 37.573, 59.992

85, 28.148, 60.940

89, 19.288, 61.924

94, 10.972, 62.924

98, 3.158, 63.842

Harmonies

Complementary

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



64, 86.264, 54.075



63, 57.438, 271.132

Rectangle

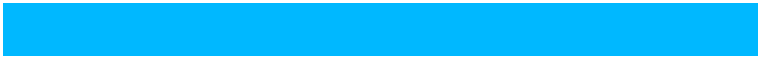
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 86.264, 54.075



64, 86.264, 104.075



64, 86.264, 234.075



64, 86.264, 284.075

Sweetspot

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



64, 86.261, 54.077



88, 22.579, 61.550



56, 86.925, 351.798



45, 15.808, 61.126



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 86.261, 54.077



63, 89.854, 52.664



91, 89.309, 96.296



51, 4.322, 63.388



48, 71.966, 53.346



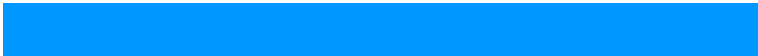
14, 27.426, 52.620

Inverse Universe

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



63, 57.438, 271.132



61, 60.443, 274.050



35, 124.124, 304.381



51, 4.164, 245.603



47, 47.991, 273.105



14, 20.052, 265.933

Previews

White Background



This preview shows how the CIELCh color 64, 86.264, 54.075 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 64, 86.264, 54.075 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 64, 86.264, 54.075

Background



This preview shows how black text looks on a background with the CIELCh color 64, 86.264, 54.075.



This preview shows how white text looks on a background with the CIELCh color 64, 86.264, 54.075.

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

64, 86.264, 54.075

Protanopia

64, 62.522, 95.337

Deuteranopia

64, 68.862, 83.789



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 86.264, 54.075

Protanomaly
63, 65.836, 76.204

Deuteranomaly
63, 72.454, 70.848

Tritanomaly
64, 70.448, 39.740

Monochromacy



Original Color
64, 86.264, 54.075

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 31.047, 59.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 86.264, 54.075 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, 112, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 15)  
}
```

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, 112, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 86.264, 54.075 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, 112, 15) }
```

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

```
.border{ border-color:rgb(255, 112, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 86.264, 54.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 15) }
```

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

```
.background{ background-color: rgb(255,  
112, 15) }
```

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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