

Converting Colors

CIELCh(64, 81.901, 53.393)

Have a look what the booklet for
CIELCh(64, 81.901, 53.393) contains.

CIELCh(64, 81.895, 53.439)	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, 81.895, 53.439)

Conversions

Conversions Part 1

Format	Color
Hex	FC721E
RGB	252, 114, 30
RGB Percent	99%, 45%, 12%
CMY	0.0120, 0.5531, 0.8826
CMYK	0.00, 0.55, 0.88, 0.01
HSL	23°, 97%, 55%
HSV	23°, 88%, 99%
XYZ	46.3691, 32.8017, 5.1121
YIQ	145.6860, 109.2120, 3.1320

Conversions

Conversions Part 2

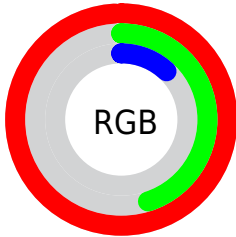
Format	Color
R _Y B	252, 165, 30
Decimal	16544286
CIE Lab	64.00, 48.78, 65.78
CIE LCh	64, 81.895, 53.439
Yxy	32.8017, 0.5502, 0.3892
Android (android.graphics.Color)	4294734366 (0xFFFC721E)
YUV	145.6860, -57.0332, 93.2374
Hunter-Lab	57.2727, 44.2898, 34.7988

Details

The CIELCh color **64, 81.895, 53.439** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **66, 51.491, 264.253**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 60.163, 66.289**, and **44, 73.856, 48.717** is the 20% darker color. If you saturate the color by 10%, you get **61, 89.109, 51.407**, and if you desaturate by 10%, it is **67, 72.327, 54.654**.

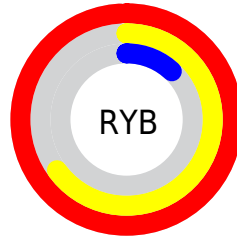
Distribution



Red (99%)

Green (45%)

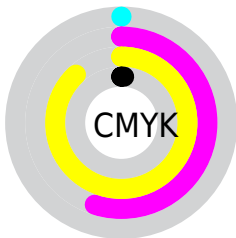
Blue (12%)



Red (99%)

Yellow (65%)

Blue (12%)

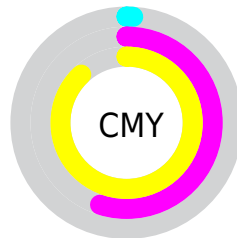


Cyan (0%)

Magenta (55%)

Yellow (88%)

Black (1%)



Cyan (1%)

Magenta (55%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 81.895, 53.439 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, 81.895, 53.439 by changing the saturation by 10% instead.

64, 81.895, 53.439

64, 81.895, 53.439

100, 81.895,
53.439

54, 81.895, 53.439

84, 81.895, 53.439

44, 81.895, 53.439

94, 81.895, 53.439

34, 81.895, 53.439

24, 81.895, 53.439

14, 81.895, 53.439

4, 81.895, 53.439

0, 81.895, 53.439

64, 81.895, 53.439

64, 81.895, 53.439

61, 89.109, 51.407

67, 72.327, 54.654

61, 90.331, 51.023

71, 61.810, 55.486

74, 51.249, 56.217

78, 41.067, 56.964

82, 31.434, 57.763

87, 22.397, 58.618

91, 13.946, 59.512

95, 6.040, 60.404

100, 1.028,
202.934

Harmonies

Complementary

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



64, 81.895, 53.439



66, 51.491, 264.253

Rectangle

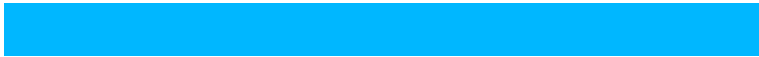
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 81.895, 53.439



64, 81.895, 103.439



64, 81.895, 233.439



64, 81.895, 283.439

Sweetspot

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



64, 81.892, 53.441



88, 20.767, 58.803



57, 86.894, 347.610



46, 14.247, 58.498



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, 81.892, 53.441



61, 91.181, 50.999



89, 85.027, 94.444



50, 4.224, 60.286



46, 72.254, 51.696



13, 26.442, 49.890

Inverse Universe

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



66, 51.491, 264.253



63, 57.283, 270.359



39, 112.800, 302.177



50, 4.054, 242.356



48, 45.054, 269.342



14, 18.625, 261.716

Previews

White Background



This preview shows how the CIELCh color 64, 81.895, 53.439 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, 81.895, 53.439 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, 81.895, 53.439

Background



This preview shows how black text looks on a background with the CIELCh color 64, 81.895, 53.439.



This preview shows how white text looks on a background with the CIELCh color 64, 81.895, 53.439.

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, 81.895, 53.439

Protanopia

64, 58.798, 95.258

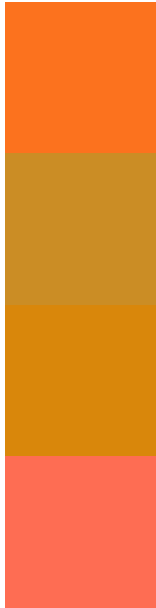
Deuteranopia

64, 68.929, 82.965



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 81.895, 53.439

Protanomaly
63, 62.013, 75.947

Deuteranomaly
63, 71.646, 70.572

Tritanomaly
64, 68.099, 37.991

Monochromacy



Original Color
64, 81.895, 53.439

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 28.592, 56.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 81.895, 53.439 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(252, 114, 30)` looks like.

```
.text, #text, p{  
    color:rgb(252, 114, 30)  
}
```

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(252, 114, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 114, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 81.895, 53.439 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(252, 114, 30) }
```

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

```
.border{ border-color:rgb(252, 114, 30) }
```

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

Here you see how a box with a 4 pixel rgb(252, 114, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 114, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 114, 30);  
box-shadow:4px 4px 4px 4px rgb(252, 114,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 81.895, 53.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 114, 30) }
```

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

```
.background{ background-color: rgb(252,  
114, 30) }
```

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