

Converting Colors

CIELCh(63, 89.296, 53.421)

Have a look what the booklet for
CIELCh(63, 89.296, 53.421) contains.

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Color

CIELCh(63, 89.303, 53.411)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A00
RGB	255, 106, 0
RGB Percent	100%, 42%, 0%
CMY	0.0000, 0.5841, 0.9997
CMYK	0.00, 0.58, 1.00, 0.00
HSL	25°, 100%, 50%
HSV	25°, 100%, 100%
XYZ	46.4177, 31.5869, 3.6526
YIQ	138.4670, 122.8300, -1.3780

Conversions

Conversions Part 2

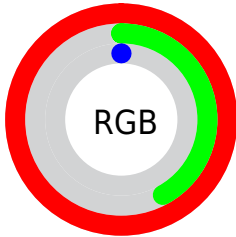
Format	Color
R_{YB}	255, 181, 0
Decimal	16738816
CIE Lab	63.00, 53.23, 71.70
CIE LCh	63, 89.303, 53.411
Yxy	31.5869, 0.5684, 0.3868
Android (android.graphics.Color)	4294928896 (0xFFFF6A00)
YUV	138.4670, -68.2642, 102.1994
Hunter-Lab	56.2022, 49.0702, 35.4883

Details

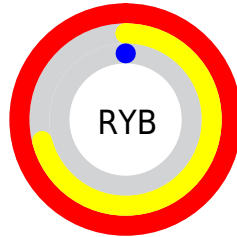
The CIELCh color **63, 89.303, 53.411** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **61, 61.840, 275.510**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.255, 65.417**, and **43, 77.096, 45.940** is the 20% darker color. If you saturate the color by 10%, you get **63, 89.303, 53.412**, and if you desaturate by 10%, it is **66, 82.839, 55.835**.

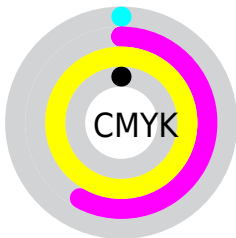
Distribution



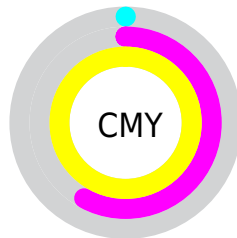
- Red (100%)
- Green (42%)
- Blue (0%)



- Red (100%)
- Yellow (71%)
- Blue (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 89.303, 53.411 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 63, 89.303, 53.411 by changing the saturation by 10% instead.

 63, 89.303, 53.411

 63, 89.303, 53.411

 100, 89.303,
53.411

 53, 89.303, 53.411

 83, 89.303, 53.411

 43, 89.303, 53.411

 93, 89.303, 53.411

 33, 89.303, 53.411

 23, 89.303, 53.411

 13, 89.303, 53.411

 3, 89.303, 53.411

 0, 89.303, 53.411

 63, 89.303, 53.411

 63, 89.303, 53.411

 63, 89.303, 53.412

 66, 82.839, 55.835

69, 73.993, 57.477

72, 63.848, 58.642

76, 53.429, 59.634

79, 43.251, 60.595

83, 33.537, 61.575

87, 24.363, 62.587

92, 15.732, 63.621

96, 7.615, 64.651

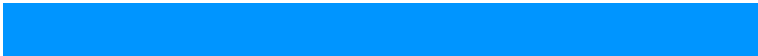
Harmonies

Complementary

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



63, 89.303, 53.411



61, 61.840, 275.510

Rectangle

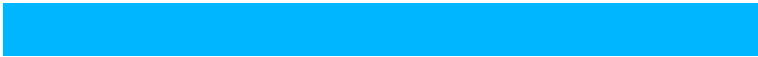
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 89.303, 53.411



63, 89.303, 103.411



63, 89.303, 233.411



63, 89.303, 283.411

Sweetspot

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



63, 89.282, 53.419



87, 24.392, 62.583



56, 87.092, 353.572



45, 16.865, 62.153



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 89.282, 53.419



63, 89.303, 53.412



91, 90.202, 95.848



51, 4.337, 64.697



48, 71.537, 54.102



15, 27.343, 53.649

Inverse Universe

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



61, 61.840, 275.510



61, 61.858, 275.526



34, 128.895, 305.250



51, 4.186, 246.965



46, 49.092, 274.591



14, 20.434, 267.470

Previews

White Background



This preview shows how the CIELCh color 63, 89.303, 53.411 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 63, 89.303, 53.411 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 63, 89.303, 53.411

Background



This preview shows how black text looks on a background with the CIELCh color 63, 89.303, 53.411.



This preview shows how white text looks on a background with the CIELCh color 63, 89.303, 53.411.

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

63, 89.303, 53.411

Protanopia

63, 62.508, 95.208

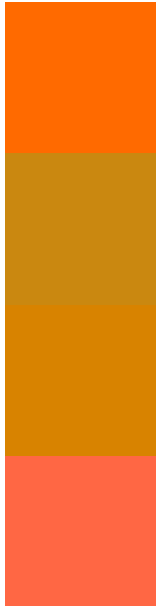
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 89.303, 53.411

Protanomaly
62, 66.857, 75.396

Deuteranomaly
62, 73.029, 69.618

Tritanomaly
63, 74.181, 40.985

Monochromacy



Original Color
63, 89.303, 53.411

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 33.702, 60.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 89.303, 53.411 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, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 0)  
}
```

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, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 89.303, 53.411 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, 106, 0) }
```

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

```
.border{ border-color:rgb(255, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 89.303, 53.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 0) }
```

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

```
.background{ background-color: rgb(255,  
106, 0) }
```

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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