

Converting Colors

CIELCh(63, 83.737, 50.252)

Have a look what the booklet for
CIELCh(63, 83.737, 50.252) contains.

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Color

CIELCh(63, 83.945, 50.325)

Conversions

Conversions Part 1

Format	Color
Hex	FF6A20
RGB	255, 106, 32
RGB Percent	100%, 42%, 13%
CMY	0.0009, 0.5850, 0.8753
CMYK	0.00, 0.58, 0.88, 0.00
HSL	20°, 100%, 56%
HSV	20°, 88%, 100%
XYZ	46.5460, 31.5869, 4.9951
YIQ	142.1150, 112.5580, 8.5740

Conversions

Conversions Part 2

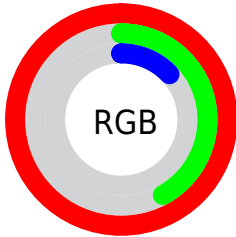
Format	Color
R_{YB}	255, 143, 32
Decimal	16738848
CIE _{Lab}	63.00, 53.59, 64.61
CIE _{LCh}	63, 83.945, 50.325
Yxy	31.5869, 0.5599, 0.3800
Android (android.graphics.Color)	4294928928 (0xFFFF6A20)
YUV	142.1150, -54.2867, 99.0001
Hunter-Lab	56.2022, 49.4775, 34.0721

Details

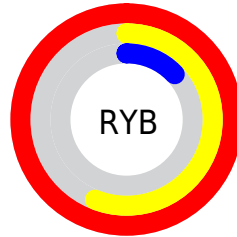
The CIELCh color **63, 83.945, 50.325** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **70, 48.044, 256.577**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 59.800, 61.625**, and **43, 77.301, 45.720** is the 20% darker color. If you saturate the color by 10%, you get **60, 91.830, 48.764**, and if you desaturate by 10%, it is **66, 73.698, 51.061**.

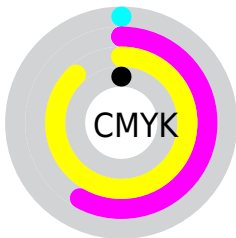
Distribution



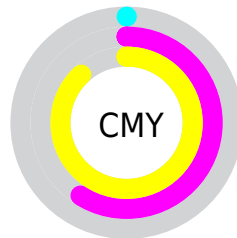
- Red (100%)
- Green (42%)
- Blue (13%)



- Red (100%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (58%)
- Yellow (88%)
- Black (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 83.945, 50.325 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, 83.945, 50.325 by changing the saturation by 10% instead.

63, 83.945, 50.325

63, 83.945, 50.325

100, 83.945,
50.325

53, 83.945, 50.325

83, 83.945, 50.325

43, 83.945, 50.325

93, 83.945, 50.325

33, 83.945, 50.325

23, 83.945, 50.325

13, 83.945, 50.325

3, 83.945, 50.325

0, 83.945, 50.325

63, 83.945, 50.325

63, 83.945, 50.325

60, 91.830, 48.764

66, 73.698, 51.061

60, 93.529, 48.360

70, 62.647, 51.476

74, 51.677, 51.850

78, 41.183, 52.290

82, 31.319, 52.823

87, 22.120, 53.444

92, 13.568, 54.132

96, 5.615, 54.831

100, 0.081,
207.598

Harmonies

Complementary

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



63, 83.945, 50.325



70, 48.044, 256.577

Rectangle

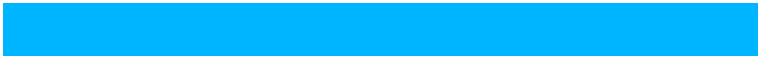
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 83.945, 50.325



63, 83.945, 100.325



63, 83.945, 230.325



63, 83.945, 280.325

Sweetspot

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



63, 83.942, 50.327



88, 20.794, 53.545



58, 90.083, 344.035



45, 14.281, 53.318



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, 83.942, 50.327



60, 93.596, 48.359



87, 83.081, 90.758



51, 4.278, 54.699



45, 74.907, 48.969



13, 28.154, 46.328

Inverse Universe

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



70, 48.044, 256.577



67, 52.307, 262.956



42, 106.869, 300.289



51, 4.079, 236.464



51, 41.692, 261.977



16, 17.942, 254.756

Previews

White Background



This preview shows how the CIELCh color 63, 83.945, 50.325 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, 83.945, 50.325 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, 83.945, 50.325

Background



This preview shows how black text looks on a background with the CIELCh color 63, 83.945, 50.325.



This preview shows how white text looks on a background with the CIELCh color 63, 83.945, 50.325.

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, 83.945, 50.325

Protanopia

63, 56.487, 95.520

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 65.155, 25.080

Trichromacy



Original Color
63, 83.945, 50.325

Protanomaly
62, 60.168, 73.576

Deuteranomaly
62, 71.065, 69.289

Tritanomaly
63, 70.740, 36.935

Monochromacy



Original Color
63, 83.945, 50.325

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 28.861, 52.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 83.945, 50.325 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 83.945, 50.325 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, 32) }
```

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

```
.border{ border-color:rgb(255, 106, 32) }
```

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, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 83.945, 50.325 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, 32) }
```

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

```
.background{ background-color: rgb(255,  
106, 32) }
```

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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