

Converting Colors

CIELCh(59, 83.671, 53.765)

Have a look what the booklet for
CIELCh(59, 83.671, 53.765) contains.

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Color

CIELCh(59, 83.671, 53.765)

Conversions

Conversions Part 1

Format	Color
Hex	ED6403
RGB	237, 100, 3
RGB Percent	93%, 39%, 1%
CMY	0.0717, 0.6088, 0.9898
CMYK	0.00, 0.58, 0.99, 0.07
HSL	25°, 98%, 47%
HSV	25°, 99%, 93%
XYZ	39.3753, 27.0277, 3.2158
YIQ	129.9050, 112.7890, -1.1230

Conversions

Conversions Part 2

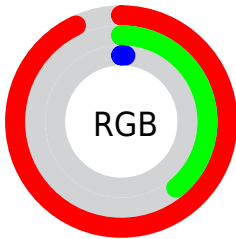
Format	Color
RYB	237, 169, 3
Decimal	15557635
CIELab	59.00, 49.46, 67.49
CIELCh	59, 83.671, 53.765
Yxy	27.0277, 0.5656, 0.3882
Android (android.graphics.Color)	4293747715 (0xFFED6403)
YUV	129.9050, -62.5642, 93.9223
Hunter-Lab	51.9882, 44.2147, 32.7243

Details

The CIELCh color **59, 83.671, 53.765** 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 **57, 57.625, 274.701**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 66.807, 62.207**, and **39, 71.825, 46.042** is the 20% darker color. If you saturate the color by 10%, you get **59, 84.331, 53.530**, and if you desaturate by 10%, it is **62, 77.262, 56.067**.

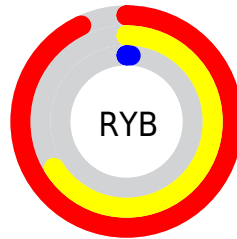
Distribution



Red (93%)

Green (39%)

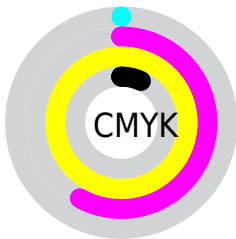
Blue (1%)



Red (93%)

Yellow (66%)

Blue (1%)

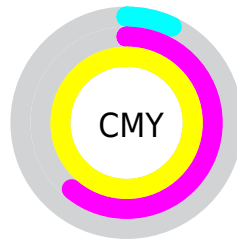


Cyan (0%)

Magenta (58%)

Yellow (99%)

Black (7%)



Cyan (7%)

Magenta (61%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 83.671, 53.765 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 59, 83.671, 53.765 by changing the saturation by 10% instead.

■ 59, 83.671, 53.765

■ 59, 83.671, 53.765

■ 100, 83.671,
53.765

■ 49, 83.671, 53.765

■ 79, 83.671, 53.765

■ 39, 83.671, 53.765

■ 89, 83.671, 53.765

■ 29, 83.671, 53.765

■ 99, 83.671, 53.765

■ 19, 83.671, 53.765

■ 9, 83.671, 53.765

■ 0, 83.671, 53.765

■ 59, 83.671, 53.765

■ 59, 83.671, 53.765

■ 59, 84.331, 53.530

■ 62, 77.262, 56.067

■ 65, 68.676, 57.605

68, 59.039, 58.723

71, 49.236, 59.699

75, 39.700, 60.653

78, 30.615, 61.630

82, 22.039, 62.639

86, 13.971, 63.669

90, 6.382, 64.686

Harmonies

Complementary

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



59, 83.671, 53.765



57, 57.625, 274.701

Rectangle

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



59, 83.671, 53.765



59, 83.671, 103.765



59, 83.671, 233.765



59, 83.671, 283.765

Sweetspot

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



59, 83.668, 53.767



87, 24.389, 62.515



52, 82.341, 353.105



45, 16.864, 62.086



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 83.668, 53.767



63, 89.333, 53.369



85, 85.121, 95.961



47, 4.049, 64.632



45, 68.620, 54.213



12, 22.445, 52.040

Inverse Universe

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



57, 57.625, 274.701



61, 61.778, 275.445



31, 120.844, 305.056



47, 3.908, 246.880



44, 46.918, 274.300



11, 17.821, 265.473

Previews

White Background



This preview shows how the CIELCh color 59, 83.671, 53.765 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 83.671, 53.765 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 83.671, 53.765

Background



This preview shows how black text looks on a background with the CIELCh color 59, 83.671, 53.765.



This preview shows how white text looks on a background with the CIELCh color 59, 83.671, 53.765.

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

59, 83.671, 53.765

Protanopia

59, 59.421, 95.145

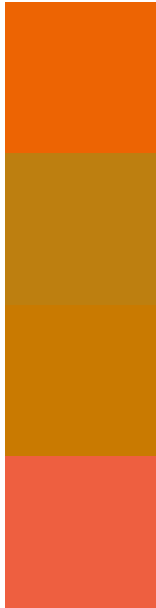
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 62.525, 25.068

Trichromacy



Original Color
59, 83.671, 53.765

Protanomaly
58, 63.267, 75.301

Deuteranomaly
58, 69.013, 69.771

Tritanomaly
59, 70.184, 40.375

Monochromacy



Original Color
59, 83.671, 53.765

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 31.071, 60.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 83.671, 53.765 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(237, 100, 3)` looks like.

```
.text, #text, p{  
    color:rgb(237, 100, 3)  
}
```

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(237, 100, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 100, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 83.671, 53.765 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(237, 100, 3) }
```

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

```
.border{ border-color:rgb(237, 100, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 100, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 100, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 100, 3);  
box-shadow:4px 4px 4px 4px rgb(237, 100,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 83.671, 53.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 100, 3) }
```

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

```
.background{ background-color: rgb(237,  
100, 3) }
```

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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