

Converting Colors

CIELCh(60, 86.950, 43.269)

Have a look what the booklet for
CIELCh(60, 86.950, 43.269) contains.

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Color

CIELCh(60, 86.425, 43.266)

Conversions

Conversions Part 1

Format	Color
Hex	FF5528
RGB	255, 85, 40
RGB Percent	100%, 33%, 16%
CMY	0.0000, 0.6666, 0.8436
CMYK	0.00, 0.67, 0.84, 0.00
HSL	13°, 100%, 58%
HSV	13°, 84%, 100%
XYZ	45.2851, 28.1233, 5.0378
YIQ	130.7000, 115.7650, 22.0450

Conversions

Conversions Part 2

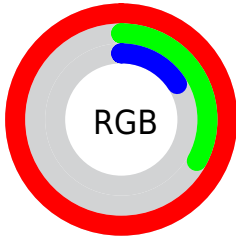
Format	Color
R_{YB}	255, 97, 40
Decimal	16733480
CIE Lab	60.00, 62.93, 59.23
CIE LCh	60, 86.425, 43.266
Yxy	28.1233, 0.5773, 0.3585
Android (android.graphics.Color)	4294923560 (0xFFFF5528)
YUV	130.7000, -44.7151, 109.0111
Hunter-Lab	53.0314, 59.6214, 31.4896

Details

The CIELCh color **60, 86.425, 43.266** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **78, 42.354, 232.542**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 59.938, 50.117**, and **40, 82.530, 40.718** is the 20% darker color. If you saturate the color by 10%, you get **57, 95.479, 43.530**, and if you desaturate by 10%, it is **63, 74.512, 42.500**.

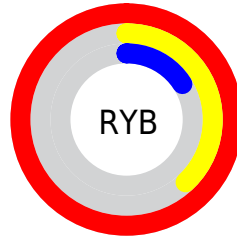
Distribution



Red (100%)

Green (33%)

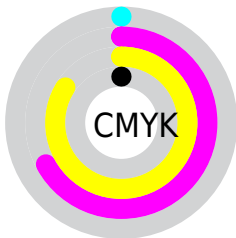
Blue (16%)



Red (100%)

Yellow (38%)

Blue (16%)

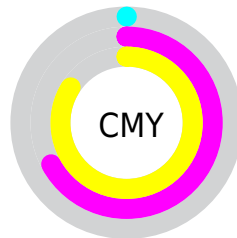


Cyan (0%)

Magenta (67%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (67%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 86.425, 43.266 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 60, 86.425, 43.266 by changing the saturation by 10% instead.

 60, 86.425, 43.266

 60, 86.425, 43.266

 100, 86.425,
43.266

 50, 86.425, 43.266

 80, 86.425, 43.266

 40, 86.425, 43.266

 90, 86.425, 43.266

 30, 86.425, 43.266

 20, 86.425, 43.266

 10, 86.425, 43.266

 0, 86.425, 43.266

 60, 86.425, 43.266

 60, 86.425, 43.266

 57, 95.479, 43.530

 63, 74.512, 42.500

 56, 99.478, 43.324

 67, 62.606, 41.642

72, 50.992, 40.959

76, 39.985, 40.504

81, 29.709, 40.260

87, 20.194, 40.194

92, 11.417, 40.256

98, 3.327, 40.315

100, 0.012,
296.813

Harmonies

Complementary

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



60, 86.425, 43.266



78, 42.354, 232.542

Rectangle

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



60, 86.425, 43.266



60, 86.425, 93.266



60, 86.425, 223.266



60, 86.425, 273.266

Sweetspot

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



60, 85.991, 43.318



86, 20.778, 40.193



59, 96.407, 336.730



44, 14.387, 40.203



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 85.991, 43.318



56, 99.478, 43.324



81, 77.471, 81.681



50, 4.429, 40.309



42, 79.661, 43.751



12, 29.836, 37.741

Inverse Universe

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



78, 42.354, 232.542



76, 44.296, 238.599



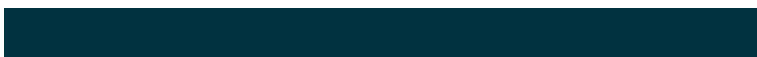
49, 87.465, 293.703



52, 4.175, 221.032



58, 35.593, 237.807



19, 16.185, 232.292

Previews

White Background



This preview shows how the CIELCh color 60, 86.425, 43.266 looks on a white background.

Color Contrast Check

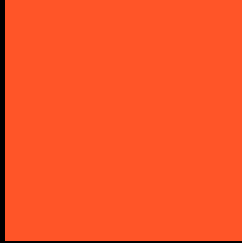
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 86.425, 43.266 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 60, 86.425, 43.266

Background



This preview shows how black text looks on a background with the CIELCh color 60, 86.425, 43.266.



This preview shows how white text looks on a background with the CIELCh color 60, 86.425, 43.266.

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

60, 85.960, 43.289

Protanopia

60, 48.573, 95.878

Deuteranopia

60, 62.569, 83.224



Tritanopia
60, 74.415, 28.483

Trichromacy



Original Color
60, 85.960, 43.289

Protanomaly
58, 54.324, 66.186

Deuteranomaly
59, 67.341, 63.784

Tritanomaly
60, 78.313, 34.876

Monochromacy



Original Color
60, 85.960, 43.289

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 29.506, 40.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 86.425, 43.266 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, 85, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 40)  
}
```

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, 85, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 86.425, 43.266 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, 85, 40) }
```

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

```
.border{ border-color:rgb(255, 85, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 86.425, 43.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 40) }
```

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

```
.background{ background-color: rgb(255, 85,  
40) }
```

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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