

Converting Colors

CIELCh(63, 88.576, 39.955)

Have a look what the booklet for
CIELCh(63, 88.576, 39.955) contains.

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Color

CIELCh(60, 82.132, 40.421)

Conversions

Conversions Part 1

Format	Color
Hex	FF5635
RGB	255, 86, 53
RGB Percent	100%, 34%, 21%
CMY	0.0006, 0.6632, 0.7926
CMYK	0.00, 0.66, 0.79, 0.00
HSL	10°, 100%, 60%
HSV	10°, 79%, 100%
XYZ	45.1441, 28.1233, 6.4044
YIQ	132.7690, 111.3170, 25.5650

Conversions

Conversions Part 2

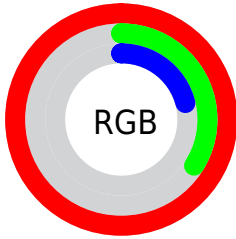
Format	Color
R_{YB}	255, 92, 53
Decimal	16733749
CIE _{Lab}	60.00, 62.53, 53.25
CIE _{LCh}	60, 82.132, 40.421
Yxy	28.1233, 0.5666, 0.3530
Android (android.graphics.Color)	4294923829 (0xFFFF5635)
YUV	132.7690, -39.3261, 107.1966
Hunter-Lab	53.0314, 59.1467, 29.9618

Details

The CIELCh color **60, 82.132, 40.421** 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 **82, 41.509, 222.333**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 55.789, 46.087**, and **40, 82.218, 40.436** is the 20% darker color. If you saturate the color by 10%, you get **57, 92.934, 41.663**, and if you desaturate by 10%, it is **64, 70.167, 38.980**.

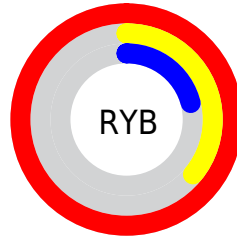
Distribution



Red (100%)

Green (34%)

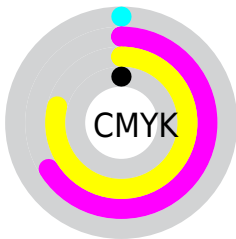
Blue (21%)



Red (100%)

Yellow (36%)

Blue (21%)

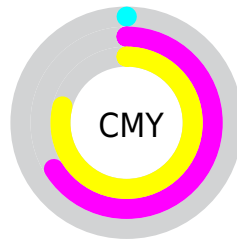


Cyan (0%)

Magenta (66%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (66%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 82.132, 40.421 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, 82.132, 40.421 by changing the saturation by 10% instead.

 60, 82.132, 40.421

 60, 82.132, 40.421

 100, 82.132,
40.421

 50, 82.132, 40.421

 80, 82.132, 40.421

 40, 82.132, 40.421

 90, 82.132, 40.421

 30, 82.132, 40.421

 20, 82.132, 40.421

 10, 82.132, 40.421


 0, 82.132, 40.421

 60, 82.132, 40.421

 60, 82.132, 40.421

 57, 92.934, 41.663

 64, 70.167, 38.980

 55, 100.694,

 68, 58.148, 37.719

42.040

73, 46.563, 36.746

55, 101.202,
42.083

78, 35.638, 36.057

83, 25.465, 35.609

89, 16.062, 35.350

95, 7.398, 35.210

100, 0.051,
212.544

Harmonies

Complementary

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



60, 82.132, 40.421



82, 41.509, 222.333

Rectangle

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



60, 82.132, 40.421



60, 82.132, 90.421



60, 82.132, 220.421



60, 82.132, 270.421

Sweetspot

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



60, 82.129, 40.424



86, 20.448, 35.454



61, 97.424, 333.895



44, 14.261, 35.554



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, 82.129, 40.424



56, 97.864, 41.968



80, 72.993, 78.308



50, 4.556, 35.214



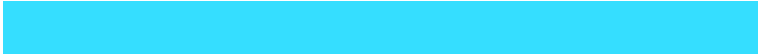
41, 81.140, 42.428



11, 30.516, 35.198

Inverse Universe

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



82, 41.509, 222.333



80, 43.295, 226.644



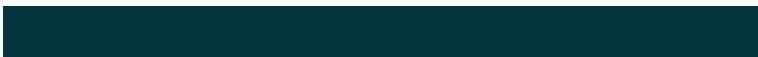
54, 75.424, 288.667



52, 4.286, 215.513



61, 35.068, 227.637



20, 16.171, 223.378

Previews

White Background



This preview shows how the CIELCh color 60, 82.132, 40.421 looks on a white background.

Color Contrast Check

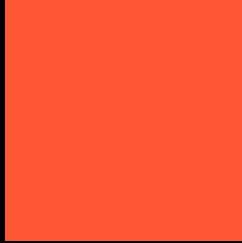
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.132, 40.421 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, 82.132, 40.421

Background



This preview shows how black text looks on a background with the CIELCh color 60, 82.132, 40.421.



This preview shows how white text looks on a background with the CIELCh color 60, 82.132, 40.421.

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, 82.132, 40.421

Protanopia

60, 41.469, 95.972

Deuteranopia

60, 56.244, 82.365



Tritanopia
60, 73.951, 28.344

Trichromacy



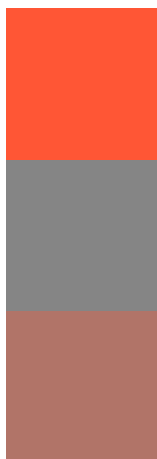
Original Color
60, 82.132, 40.421

Protanomaly
58, 48.352, 63.328

Deuteranomaly
59, 61.128, 61.315

Tritanomaly
60, 76.525, 33.078

Monochromacy



Original Color
60, 82.132, 40.421

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 27.956, 36.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 82.132, 40.421 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, 86, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 53)  
}
```

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, 86, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 82.132, 40.421 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, 86, 53) }
```

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

```
.border{ border-color:rgb(255, 86, 53) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 82.132, 40.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 53) }
```

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

```
.background{ background-color: rgb(255, 86,  
53) }
```

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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