

Converting Colors

CIELCh(60, 82.236, 41.965)

Have a look what the booklet for
CIELCh(60, 82.236, 41.965) contains.

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Color

CIELCh(60, 82.082, 42.032)

Conversions

Conversions Part 1

Format	Color
Hex	FD5831
RGB	253, 88, 49
RGB Percent	99%, 35%, 19%
CMY	0.0074, 0.6545, 0.8075
CMYK	0.00, 0.65, 0.81, 0.01
HSL	11°, 98%, 59%
HSV	11°, 81%, 99%
XYZ	44.6050, 28.1233, 5.9928
YIQ	132.8890, 110.8590, 22.8510

Conversions

Conversions Part 2

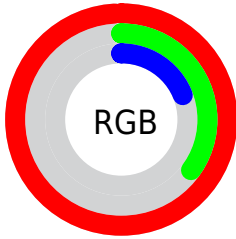
Format	Color
R_{YB}	253, 97, 49
Decimal	16603185
CIE Lab	60.00, 60.97, 54.96
CIE LCh	60, 82.082, 42.032
Yxy	28.1233, 0.5666, 0.3573
Android (android.graphics.Color)	4294793265 (0xFFFD5831)
YUV	132.8890, -41.3573, 105.3373
Hunter-Lab	53.0314, 57.3322, 30.4220

Details

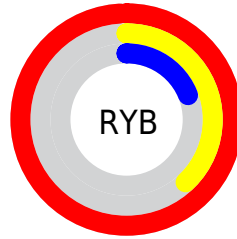
The CIELCh color **60, 82.082, 42.032** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **80, 41.360, 227.828**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 56.454, 48.412**, and **40, 81.392, 41.358** is the 20% darker color. If you saturate the color by 10%, you get **57, 92.541, 42.816**, and if you desaturate by 10%, it is **64, 70.316, 40.934**.

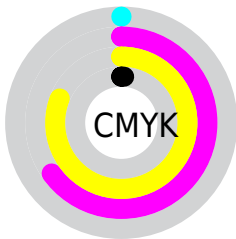
Distribution



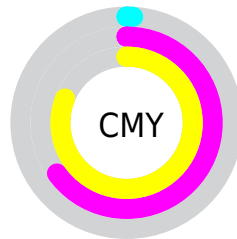
- Red (99%)
- Green (35%)
- Blue (19%)



- Red (99%)
- Yellow (38%)
- Blue (19%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)
- Black (1%)



- Cyan (1%)
- Magenta (65%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 82.082, 42.032 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, 82.082, 42.032 by changing the saturation by 10% instead.

 60, 82.082, 42.032  60, 82.082, 42.032

 100, 82.082,
42.032  50, 82.082, 42.032

 80, 82.082, 42.032  40, 82.082, 42.032

 90, 82.082, 42.032  30, 82.082, 42.032

 20, 82.082, 42.032

 10, 82.082, 42.032

 0, 82.082, 42.032

 60, 82.082, 42.032  60, 82.082, 42.032

 57, 92.541, 42.816  64, 70.316, 40.934

 55, 99.650, 42.797  68, 58.448, 39.935

72, 47.003, 39.173

77, 36.215, 38.660

82, 26.174, 38.366

88, 16.892, 38.246

93, 8.337, 38.242

99, 0.456, 37.033

100, 0.655,
200.376

Harmonies

Complementary

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



60, 82.082, 42.032



80, 41.360, 227.828

Rectangle

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



60, 82.082, 42.032



60, 82.082, 92.032



60, 82.082, 222.032



60, 82.082, 272.032

Sweetspot

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



60, 82.079, 42.034



87, 20.079, 38.271



60, 95.385, 335.553



44, 14.004, 38.314



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, 82.079, 42.034



56, 98.149, 42.783



80, 74.307, 80.956



50, 4.476, 38.243



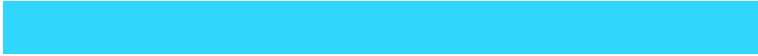
42, 80.281, 43.182



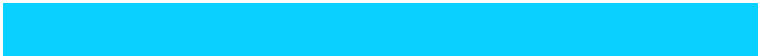
12, 30.109, 36.679

Inverse Universe

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



80, 41.360, 227.828



77, 43.598, 233.349



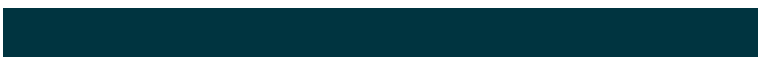
52, 80.570, 291.351



52, 4.214, 218.796



59, 35.260, 233.760



19, 16.136, 228.718

Previews

White Background



This preview shows how the CIELCh color 60, 82.082, 42.032 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, 82.082, 42.032 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, 82.082, 42.032

Background



This preview shows how black text looks on a background with the CIELCh color 60, 82.082, 42.032.



This preview shows how white text looks on a background with the CIELCh color 60, 82.082, 42.032.

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, 82.082, 42.032

Protanopia

60, 43.974, 95.578

Deuteranopia

60, 57.798, 82.201



Tritanopia
60, 73.095, 28.150

Trichromacy



Original Color
60, 82.082, 42.032

Protanomaly
58, 50.403, 64.858

Deuteranomaly
59, 62.820, 62.332

Tritanomaly
60, 76.154, 33.670

Monochromacy



Original Color
60, 82.082, 42.032

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 28.207, 39.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 82.082, 42.032 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(253, 88, 49)` looks like.

```
.text, #text, p{  
    color:rgb(253, 88, 49)  
}
```

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(253, 88, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 88, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 82.082, 42.032 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(253, 88, 49) }
```

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

```
.border{ border-color:rgb(253, 88, 49) }
```

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

Here you see how a box with a 4 pixel rgb(253, 88, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 88, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 88, 49);  
box-shadow:4px 4px 4px 4px rgb(253, 88,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 82.082, 42.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 88, 49) }
```

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

```
.background{ background-color: rgb(253, 88,  
49) }
```

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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