

Converting Colors

CIELCh(60, 84.230, 40.000)

Have a look what the booklet for
CIELCh(60, 84.230, 40.000) contains.

CIELCh(60, 83.313, 40.214)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(60, 83.313, 40.214)

Conversions

Conversions Part 1

Format	Color
Hex	FF5434
RGB	255, 84, 52
RGB Percent	100%, 33%, 20%
CMY	0.0000, 0.6699, 0.7962
CMYK	0.00, 0.67, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.5249, 28.1233, 6.2728
YIQ	131.4810, 112.1880, 26.3000

Conversions

Conversions Part 2

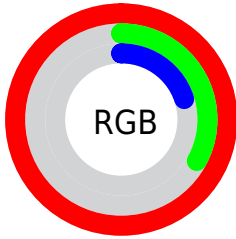
Format	Color
R_{YB}	255, 90, 52
Decimal	16733236
CIE _{Lab}	60.00, 63.62, 53.79
CIE _{LCh}	60, 83.313, 40.214
Yxy	28.1233, 0.5696, 0.3519
Android (android.graphics.Color)	4294923316 (0xFFFF5434)
YUV	131.4810, -39.1841, 108.3262
Hunter-Lab	53.0314, 60.4285, 30.1089

Details

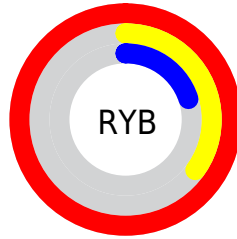
The CIELCh color **60, 83.313, 40.214** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **82, 41.654, 221.579**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 56.451, 45.398**, and **40, 82.997, 40.220** is the 20% darker color. If you saturate the color by 10%, you get **57, 93.526, 41.529**, and if you desaturate by 10%, it is **63, 70.845, 38.745**.

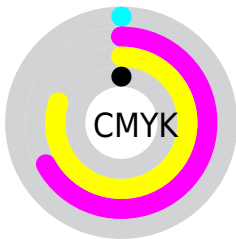
Distribution



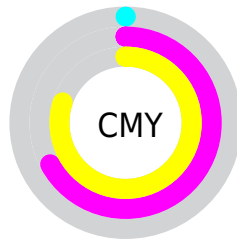
- Red (100%)
- Green (33%)
- Blue (20%)



- Red (100%)
- Yellow (35%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 83.313, 40.214 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, 83.313, 40.214 by changing the saturation by 10% instead.

 60, 83.313, 40.214

 60, 83.313, 40.214

 100, 83.313,
40.214

 50, 83.313, 40.214

 80, 83.313, 40.214

 40, 83.313, 40.214

 90, 83.313, 40.214

 30, 83.313, 40.214

 20, 83.313, 40.214

 10, 83.313, 40.214


 0, 83.313, 40.214

 60, 83.313, 40.214

 60, 83.313, 40.214

 57, 93.526, 41.529

 63, 70.845, 38.745

 55, 101.152,

 68, 58.794, 37.425

41.952

72, 47.156, 36.400

55, 101.404,
41.977

77, 36.169, 35.666

83, 25.932, 35.180

89, 16.465, 34.889

94, 7.741, 34.723

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, 83.313, 40.214



82, 41.654, 221.579

Rectangle

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



60, 83.313, 40.214



60, 83.313, 90.214



60, 83.313, 220.214



60, 83.313, 270.214

Sweetspot

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



60, 82.801, 40.248



86, 20.514, 34.996



61, 97.671, 333.921



44, 14.307, 35.106



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, 82.801, 40.248



56, 98.734, 41.842



79, 73.297, 78.235



50, 4.571, 34.722



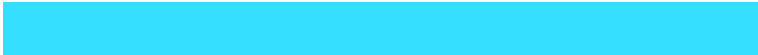
41, 81.274, 42.315



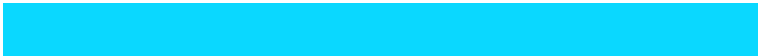
11, 30.582, 34.968

Inverse Universe

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



82, 41.654, 221.579



80, 43.358, 225.975



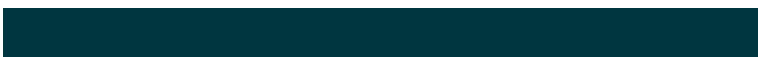
54, 75.852, 288.809



52, 4.299, 214.979



61, 35.071, 226.627



20, 16.189, 222.502

Previews

White Background



This preview shows how the CIELCh color 60, 83.313, 40.214 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, 83.313, 40.214 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, 83.313, 40.214

Background



This preview shows how black text looks on a background with the CIELCh color 60, 83.313, 40.214.



This preview shows how white text looks on a background with the CIELCh color 60, 83.313, 40.214.

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, 82.826, 40.193

Protanopia

60, 41.588, 95.314

Deuteranopia

60, 56.587, 82.383



Tritanopia
60, 74.878, 28.622

Trichromacy



Original Color
60, 82.826, 40.193

Protanomaly
58, 49.148, 61.880

Deuteranomaly
59, 61.889, 61.213

Tritanomaly
60, 77.493, 33.271

Monochromacy



Original Color
60, 82.826, 40.193

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 28.446, 36.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 83.313, 40.214 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, 84, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 52)  
}
```

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, 84, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 83.313, 40.214 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, 84, 52) }
```

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

```
.border{ border-color:rgb(255, 84, 52) }
```

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

Here you see how a box with a 4 pixel rgb(255, 84, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 83.313, 40.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 52) }
```

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

```
.background{ background-color: rgb(255, 84,  
52) }
```

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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