

Converting Colors

CIELCh(53, 80.092, 51.741)

Have a look what the booklet for
CIELCh(53, 80.092, 51.741) contains.

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Color

CIELCh(53, 80.080, 51.888)

Conversions

Conversions Part 1

Format	Color
Hex	D95400
RGB	217, 84, 0
RGB Percent	85%, 33%, 0%
CMY	0.1497, 0.6711, 1.0000
CMYK	0.00, 0.61, 1.00, 0.15
HSL	23°, 100%, 43%
HSV	23°, 100%, 85%
XYZ	31.7258, 21.0462, 2.3848
YIQ	114.1910, 106.2320, 2.0720

Conversions

Conversions Part 2

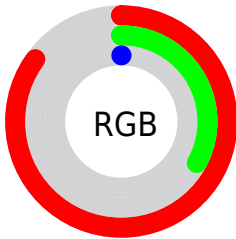
Format	Color
RYB	217, 137, 0
Decimal	14242816
CIELab	53.00, 49.43, 63.01
CIElCh	53, 80.080, 51.888
Yxy	21.0462, 0.5752, 0.3816
Android (android.graphics.Color)	4292432896 (0xFFD95400)
YUV	114.1910, -56.2962, 90.1635
Hunter-Lab	45.8761, 43.1593, 29.0311

Details

The CIELCh color **53, 80.080, 51.888** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **54, 51.187, 271.068**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 70.166, 56.149**, and **33, 68.298, 42.956** is the 20% darker color. If you saturate the color by 10%, you get **53, 80.047, 51.871**, and if you desaturate by 10%, it is **55, 73.690, 53.857**.

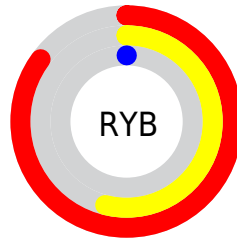
Distribution



Red (85%)

Green (33%)

Blue (0%)



Red (85%)

Yellow (54%)

Blue (0%)

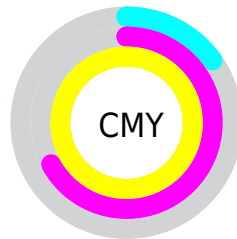


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 80.080, 51.888 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 53, 80.080, 51.888 by changing the saturation by 10% instead.

53, 80.080, 51.888

53, 80.080, 51.888

100, 80.080,
51.888

43, 80.080, 51.888

73, 80.080, 51.888

33, 80.080, 51.888

83, 80.080, 51.888

23, 80.080, 51.888

93, 80.080, 51.888

13, 80.080, 51.888

3, 80.080, 51.888

0, 80.080, 51.888

53, 80.080, 51.888

53, 80.080, 51.888

53, 80.047, 51.871

55, 73.690, 53.857

58, 65.487, 55.204

61, 56.297, 56.124

64, 46.977, 56.912

68, 37.941, 57.699

71, 29.360, 58.528

75, 21.290, 59.406

79, 13.728, 60.323

83, 6.643, 61.246

Harmonies

Complementary

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



53, 80.080, 51.888



54, 51.187, 271.068

Rectangle

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



53, 80.080, 51.888



53, 80.080, 101.888



53, 80.080, 231.888



53, 80.080, 281.888

Sweetspot

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



53, 80.047, 51.871



87, 24.305, 59.381



48, 77.773, 351.817



44, 16.822, 59.002



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 80.047, 51.871



62, 90.752, 51.518



77, 79.019, 94.630



44, 3.799, 61.296



43, 67.408, 52.461



9, 18.803, 47.149

Inverse Universe

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



54, 51.187, 271.068



63, 58.268, 271.576



29, 112.326, 304.820



44, 3.653, 243.387



43, 42.821, 270.226



9, 15.191, 259.535

Previews

White Background



This preview shows how the CIELCh color 53, 80.080, 51.888 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 53, 80.080, 51.888 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 53, 80.080, 51.888

Background



This preview shows how black text looks on a background with the CIELCh color 53, 80.080, 51.888.



This preview shows how white text looks on a background with the CIELCh color 53, 80.080, 51.888.

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

53, 80.080, 51.888

Protanopia

53, 54.049, 95.775

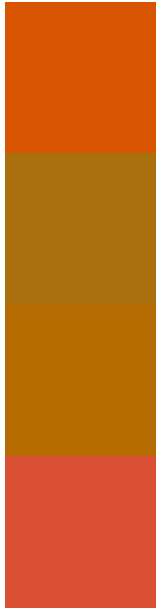
Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 61.780, 26.352

Trichromacy



Original Color
53, 80.080, 51.888

Protanomaly
52, 58.255, 74.192

Deuteranomaly
52, 64.105, 68.634

Tritanomaly
53, 68.548, 39.825

Monochromacy



Original Color
53, 80.080, 51.888

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 29.228, 57.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 80.080, 51.888 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(217, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 84, 0)  
}
```

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(217, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 84, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 80.080, 51.888 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(217, 84, 0) }
```

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

```
.border{ border-color:rgb(217, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 80.080, 51.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 84, 0) }
```

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

```
.background{ background-color: rgb(217, 84,  
0) }
```

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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