

Converting Colors

CIELCh(55, 80.564, 53.136)

Have a look what the booklet for
CIELCh(55, 80.564, 53.136) contains.

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Color

CIELCh(55, 80.680, 53.024)

Conversions

Conversions Part 1

Format	Color
Hex	DE5A00
RGB	222, 90, 0
RGB Percent	87%, 35%, 0%
CMY	0.1283, 0.6461, 0.9986
CMYK	0.00, 0.59, 1.00, 0.13
HSL	24°, 100%, 44%
HSV	24°, 100%, 87%
XYZ	33.8926, 22.9298, 2.6500
YIQ	119.2080, 107.5620, -0.0060

Conversions

Conversions Part 2

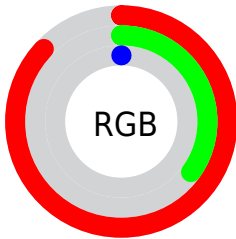
Format	Color
RYB	222, 151, 0
Decimal	14572032
CIELab	55.00, 48.53, 64.45
CIElCh	55, 80.680, 53.024
Yxy	22.9298, 0.5699, 0.3856
Android (android.graphics.Color)	4292762112 (0xFFDE5A00)
YUV	119.2080, -58.7695, 90.1486
Hunter-Lab	47.8851, 42.5415, 30.2384

Details

The CIELCh color **55, 80.680, 53.024** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **54, 54.113, 273.613**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 68.885, 58.375**, and **35, 68.416, 44.492** is the 20% darker color. If you saturate the color by 10%, you get **55, 80.780, 52.995**, and if you desaturate by 10%, it is **57, 74.445, 55.194**.

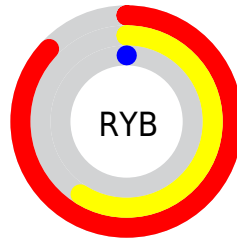
Distribution



Red (87%)

Green (35%)

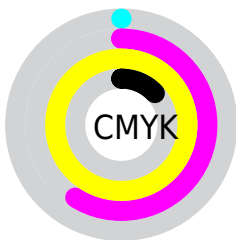
Blue (0%)



Red (87%)

Yellow (59%)

Blue (0%)

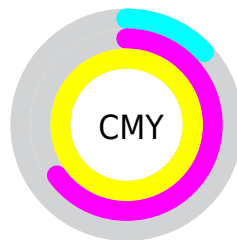


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 80.680, 53.024 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 55, 80.680, 53.024 by changing the saturation by 10% instead.

55, 80.680, 53.024

55, 80.680, 53.024

100, 80.680,
53.024

45, 80.680, 53.024

75, 80.680, 53.024

35, 80.680, 53.024

85, 80.680, 53.024

25, 80.680, 53.024

95, 80.680, 53.024

15, 80.680, 53.024

5, 80.680, 53.024

0, 80.680, 53.024

55, 80.680, 53.024

55, 80.680, 53.024

55, 80.780, 52.995

57, 74.445, 55.194

60, 66.272, 56.690

63, 57.056, 57.749

67, 47.668, 58.662

70, 38.535, 59.556

73, 29.838, 60.479

77, 21.637, 61.440

81, 13.932, 62.429

85, 6.694, 63.416

Harmonies

Complementary

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



55, 80.680, 53.024



54, 54.113, 273.613

Rectangle

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



55, 80.680, 53.024



55, 80.680, 103.024



55, 80.680, 233.024



55, 80.680, 283.024

Sweetspot

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



55, 80.677, 53.026



87, 24.351, 61.402



49, 78.609, 353.263



45, 16.843, 60.990



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 80.677, 53.026



63, 89.832, 52.693



80, 81.334, 95.917



45, 3.890, 63.452



44, 67.498, 53.612



10, 19.966, 49.829

Inverse Universe

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



54, 54.113, 273.613



61, 60.498, 274.110



29, 115.648, 305.122



45, 3.750, 245.643



43, 44.930, 272.839



10, 16.248, 262.850

Previews

White Background



This preview shows how the CIELCh color 55, 80.680, 53.024 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 55, 80.680, 53.024 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 55, 80.680, 53.024

Background



This preview shows how black text looks on a background with the CIELCh color 55, 80.680, 53.024.



This preview shows how white text looks on a background with the CIELCh color 55, 80.680, 53.024.

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

55, 80.680, 53.024

Protanopia

55, 55.950, 95.550

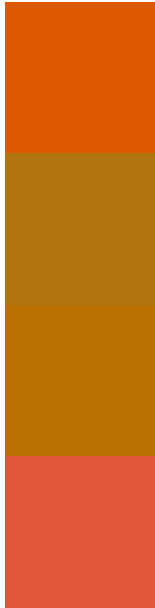
Deuteranopia

55, 61.188, 83.990



Tritanopia
55, 60.931, 25.793

Trichromacy



Original Color
55, 80.680, 53.024

Protanomaly
54, 59.987, 74.761

Deuteranomaly
54, 65.551, 69.758

Tritanomaly
55, 68.087, 40.303

Monochromacy



Original Color
55, 80.680, 53.024

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 30.105, 59.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 80.680, 53.024 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(222, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 90, 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(222, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 90, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 80.680, 53.024 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(222, 90, 0) }
```

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

```
.border{ border-color:rgb(222, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 80.680, 53.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 90, 0) }
```

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

```
.background{ background-color: rgb(222, 90,  
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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