

Converting Colors

CIELCh(55, 79.163, 54.678)

Have a look what the booklet for
CIELCh(55, 79.163, 54.678) contains.

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Color

CIELCh(55, 79.010, 54.374)

Conversions

Conversions Part 1

Format	Color
Hex	DB5D00
RGB	219, 93, 0
RGB Percent	86%, 36%, 0%
CMY	0.1406, 0.6348, 0.9993
CMYK	0.00, 0.58, 1.00, 0.14
HSL	25°, 100%, 43%
HSV	25°, 100%, 86%
XYZ	33.1794, 22.9298, 2.6819
YIQ	120.0720, 104.9490, -2.2110

Conversions

Conversions Part 2

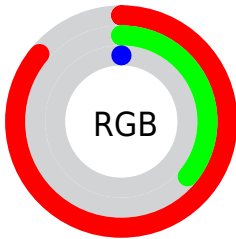
Format	Color
R _Y B	219, 162, 0
Decimal	14376192
CIE Lab	55.00, 46.02, 64.22
CIE LCh	55, 79.010, 54.374
Yxy	22.9298, 0.5644, 0.3900
Android (android.graphics.Color)	4292566272 (0xFFDB5D00)
YUV	120.0720, -59.1955, 86.7599
Hunter-Lab	47.8851, 39.8828, 30.1989

Details

The CIELCh color **55, 79.010, 54.374** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **52, 55.729, 276.159**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 68.720, 59.286**, and **35, 66.651, 45.881** is the 20% darker color. If you saturate the color by 10%, you get **55, 79.054, 54.360**, and if you desaturate by 10%, it is **57, 73.049, 56.668**.

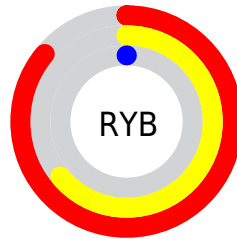
Distribution



Red (86%)

Green (36%)

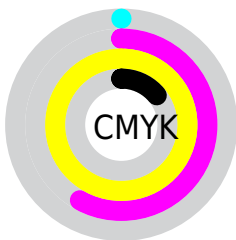
Blue (0%)



Red (86%)

Yellow (64%)

Blue (0%)

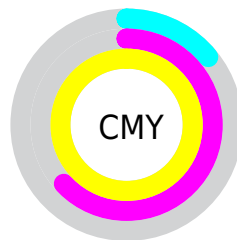


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 79.010, 54.374 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, 79.010, 54.374 by changing the saturation by 10% instead.

55, 79.010, 54.374

55, 79.010, 54.374

100, 79.010,
54.374

45, 79.010, 54.374

75, 79.010, 54.374

35, 79.010, 54.374

85, 79.010, 54.374

25, 79.010, 54.374

95, 79.010, 54.374

15, 79.010, 54.374

5, 79.010, 54.374

0, 79.010, 54.374

55, 79.010, 54.374

55, 79.010, 54.374

55, 79.054, 54.360

57, 73.049, 56.668

60, 65.195, 58.308

63, 56.264, 59.503

66, 47.110, 60.536

69, 38.165, 61.534

73, 29.617, 62.548

76, 21.528, 63.586

80, 13.904, 64.642

84, 6.721, 65.689

Harmonies

Complementary

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



55, 79.010, 54.374



52, 55.729, 276.159

Rectangle

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



55, 79.010, 54.374



55, 79.010, 104.374



55, 79.010, 234.374



55, 79.010, 284.374

Sweetspot

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



55, 79.007, 54.376



88, 24.434, 63.551



48, 77.247, 354.734



45, 16.889, 63.107



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, 79.007, 54.376



63, 88.875, 54.018



80, 81.376, 97.165



44, 3.843, 65.738



44, 66.068, 54.998



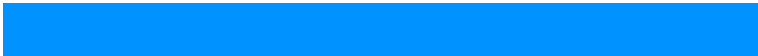
9, 18.551, 51.202

Inverse Universe

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



52, 55.729, 276.159



60, 63.003, 276.652



28, 115.486, 305.382



44, 3.716, 248.012



41, 46.194, 275.347



9, 16.064, 264.815

Previews

White Background



This preview shows how the CIELCh color 55, 79.010, 54.374 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, 79.010, 54.374 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, 79.010, 54.374

Background



This preview shows how black text looks on a background with the CIELCh color 55, 79.010, 54.374.



This preview shows how white text looks on a background with the CIELCh color 55, 79.010, 54.374.

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, 79.010, 54.374

Protanopia

55, 56.216, 95.554

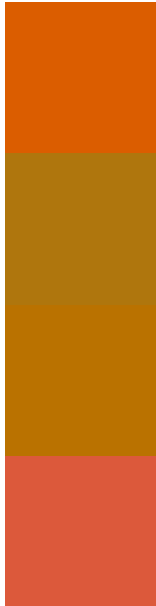
Deuteranopia

55, 61.188, 83.990



Tritanopia
55, 58.263, 25.127

Trichromacy



Original Color
55, 79.010, 54.374

Protanomaly
54, 59.968, 75.771

Deuteranomaly
55, 65.217, 70.574

Tritanomaly
55, 65.575, 40.846

Monochromacy



Original Color
55, 79.010, 54.374

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 29.743, 61.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 79.010, 54.374 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(219, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 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(219, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 79.010, 54.374 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(219, 93, 0) }
```

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

```
.border{ border-color:rgb(219, 93, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 79.010, 54.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 93, 0) }
```

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

```
.background{ background-color: rgb(219, 93,  
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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