

Converting Colors

CIELCh(55, 79.634, 52.746)

Have a look what the booklet for
CIELCh(55, 79.634, 52.746) contains.

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Color

CIELCh(55, 79.700, 52.865)

Conversions

Conversions Part 1

Format	Color
Hex	DE5B05
RGB	222, 91, 5
RGB Percent	87%, 36%, 2%
CMY	0.1306, 0.6441, 0.9820
CMYK	0.00, 0.59, 0.98, 0.13
HSL	24°, 96%, 44%
HSV	24°, 98%, 87%
XYZ	33.7743, 22.9298, 2.7777
YIQ	120.3650, 105.6820, 1.0260

Conversions

Conversions Part 2

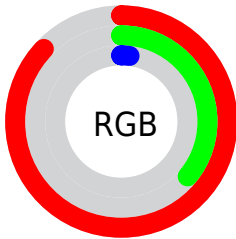
Format	Color
RYB	222, 147, 5
Decimal	14572293
CIELab	55.00, 48.11, 63.54
CIELCh	55, 79.700, 52.865
Yxy	22.9298, 0.5678, 0.3855
Android (android.graphics.Color)	4292762373 (0xFFDE5B05)
YUV	120.3650, -56.8749, 89.1339
Hunter-Lab	47.8851, 42.1006, 30.0804

Details

The CIELCh color **55, 79.700, 52.865** 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 **55, 52.247, 271.556**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 68.100, 58.391**, and **35, 68.606, 44.665** is the 20% darker color. If you saturate the color by 10%, you get **55, 80.973, 52.465**, and if you desaturate by 10%, it is **58, 73.115, 54.922**.

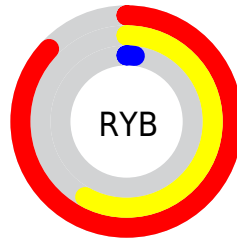
Distribution



Red (87%)

Green (36%)

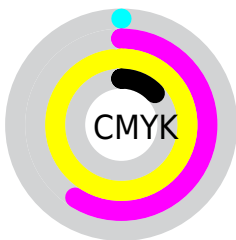
Blue (2%)



Red (87%)

Yellow (58%)

Blue (2%)

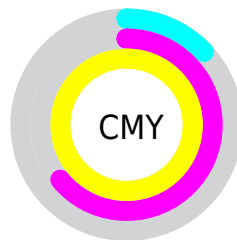


Cyan (0%)

Magenta (59%)

Yellow (98%)

Black (13%)



Cyan (13%)

Magenta (64%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 79.700, 52.865 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, 79.700, 52.865 by changing the saturation by 10% instead.

■ 55, 79.700, 52.865

■ 55, 79.700, 52.865

■ 100, 79.700,
52.865

■ 45, 79.700, 52.865

■ 75, 79.700, 52.865

■ 35, 79.700, 52.865

■ 85, 79.700, 52.865

■ 25, 79.700, 52.865

■ 95, 79.700, 52.865

■ 15, 79.700, 52.865

■ 5, 79.700, 52.865

■ 0, 79.700, 52.865

■ 55, 79.700, 52.865

■ 55, 79.700, 52.865

■ 55, 80.973, 52.465

■ 58, 73.115, 54.922

■ 60, 64.578, 56.236

63, 55.229, 57.192

67, 45.837, 58.041

70, 36.764, 58.894

74, 28.158, 59.785

78, 20.062, 60.718

81, 12.466, 61.680

85, 5.339, 62.628

Harmonies

Complementary

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



55, 79.700, 52.865



55, 52.247, 271.556

Rectangle

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



55, 79.700, 52.865



55, 79.700, 102.865



55, 79.700, 232.865



55, 79.700, 282.865

Sweetspot

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



55, 79.697, 52.867



87, 23.438, 60.594



49, 78.978, 351.277



45, 16.312, 60.191



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, 79.697, 52.867



62, 90.241, 52.160



79, 80.008, 94.803



44, 3.808, 62.492



43, 67.041, 53.114



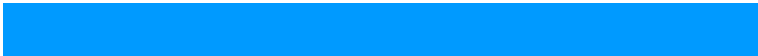
9, 18.727, 48.211

Inverse Universe

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



55, 52.247, 271.556



62, 59.487, 272.996



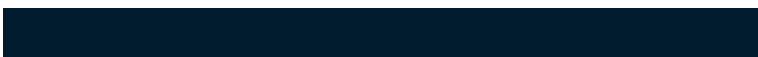
30, 112.746, 304.528



44, 3.667, 244.636



43, 43.688, 271.656



9, 15.412, 260.992

Previews

White Background



This preview shows how the CIELCh color 55, 79.700, 52.865 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, 79.700, 52.865 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, 79.700, 52.865

Background



This preview shows how black text looks on a background with the CIELCh color 55, 79.700, 52.865.



This preview shows how white text looks on a background with the CIELCh color 55, 79.700, 52.865.

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, 79.700, 52.865

Protanopia

55, 55.950, 95.550

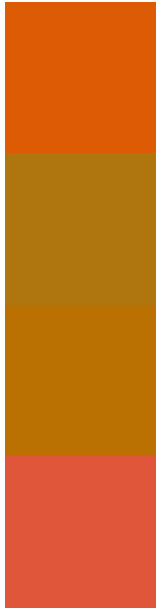
Deuteranopia

55, 61.188, 83.990



Tritanopia
55, 60.750, 25.290

Trichromacy



Original Color
55, 79.700, 52.865

Protanomaly
54, 59.341, 75.564

Deuteranomaly
54, 65.201, 69.621

Tritanomaly
55, 67.488, 39.589

Monochromacy



Original Color
55, 79.700, 52.865

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 29.265, 58.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 79.700, 52.865 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, 91, 5)` looks like.

```
.text, #text, p{  
    color:rgb(222, 91, 5)  
}
```

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, 91, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 91, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 79.700, 52.865 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, 91, 5) }
```

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

```
.border{ border-color:rgb(222, 91, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 91, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 91, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 91, 5);  
box-shadow:4px 4px 4px 4px rgb(222, 91, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 79.700, 52.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 91, 5) }
```

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

```
.background{ background-color: rgb(222, 91,  
5) }
```

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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