

Converting Colors

CIELCh(55, 76.471, 52.782)

Have a look what the booklet for
CIELCh(55, 76.471, 52.782) contains.

CIELCh(55, 76.447, 52.830)	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(55, 76.447, 52.830)

Conversions

Conversions Part 1

Format	Color
Hex	DB5D10
RGB	219, 93, 16
RGB Percent	86%, 36%, 6%
CMY	0.1411, 0.6352, 0.9372
CMYK	0.00, 0.58, 0.93, 0.14
HSL	23°, 86%, 46%
HSV	23°, 93%, 86%
XYZ	33.2261, 22.9298, 3.1655
YIQ	121.8960, 99.8130, 2.7650

Conversions

Conversions Part 2

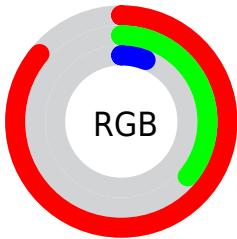
Format	Color
R_{YB}	219, 140, 16
Decimal	14376208
CIE Lab	55.00, 46.19, 60.92
CIE LCh	55, 76.447, 52.830
Yxy	22.9298, 0.5601, 0.3865
Android (android.graphics.Color)	4292566288 (0xFFDB5D10)
YUV	121.8960, -52.2067, 85.1602
Hunter-Lab	47.8851, 40.0570, 29.6002

Details

The CIELCh color **55, 76.447, 52.830** 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 **57, 47.909, 266.319**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.798, 57.932**, and **35, 66.857, 45.614** is the 20% darker color. If you saturate the color by 10%, you get **53, 81.004, 51.379**, and if you desaturate by 10%, it is **58, 68.590, 54.314**.

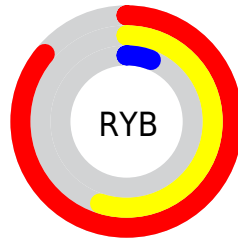
Distribution



Red (86%)

Green (36%)

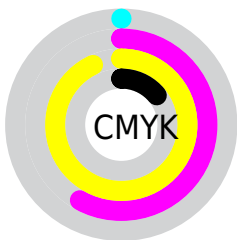
Blue (6%)



Red (86%)

Yellow (55%)

Blue (6%)

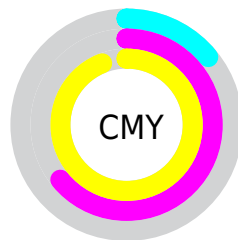


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (14%)



Cyan (14%)

Magenta (64%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 76.447, 52.830 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, 76.447, 52.830 by changing the saturation by 10% instead.

■ 55, 76.447, 52.830

■ 55, 76.447, 52.830

■ 100, 76.447,
52.830

■ 45, 76.447, 52.830

■ 75, 76.447, 52.830

■ 35, 76.447, 52.830

■ 85, 76.447, 52.830

■ 25, 76.447, 52.830

■ 95, 76.447, 52.830

■ 15, 76.447, 52.830

■ 5, 76.447, 52.830

■ 0, 76.447, 52.830

■ 55, 76.447, 52.830

■ 55, 76.447, 52.830

■ 53, 81.004, 51.379

■ 58, 68.590, 54.314

■ 61, 59.417, 55.251

64, 49.948, 56.002

67, 40.697, 56.735

71, 31.886, 57.509

75, 23.593, 58.339

78, 15.826, 59.216

82, 8.559, 60.115

86, 1.751, 60.843

Harmonies

Complementary

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



55, 76.447, 52.830



57, 47.909, 266.319

Rectangle

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



55, 76.447, 52.830



55, 76.447, 102.830



55, 76.447, 232.830



55, 76.447, 282.830

Sweetspot

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



55, 76.444, 52.832



88, 22.520, 58.724



49, 78.692, 348.528



45, 15.781, 58.347



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, 76.444, 52.832



61, 91.136, 51.053



78, 77.566, 94.050



44, 3.793, 60.402



42, 67.684, 51.986



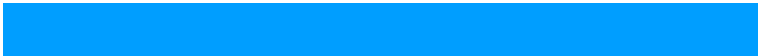
9, 18.864, 46.369

Inverse Universe

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



57, 47.909, 266.319



63, 57.384, 270.487



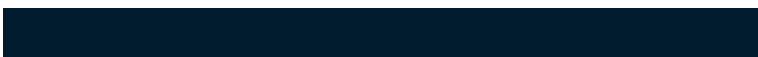
32, 105.479, 303.077



44, 3.643, 242.451



44, 42.194, 269.130



9, 15.034, 258.430

Previews

White Background



This preview shows how the CIELCh color 55, 76.447, 52.830 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, 76.447, 52.830 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, 76.447, 52.830

Background



This preview shows how black text looks on a background with the CIELCh color 55, 76.447, 52.830.



This preview shows how white text looks on a background with the CIELCh color 55, 76.447, 52.830.

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, 76.447, 52.830

Protanopia

55, 54.500, 95.528

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 58.263, 25.127

Trichromacy



Original Color
55, 76.447, 52.830

Protanomaly
54, 57.326, 75.350

Deuteranomaly
54, 64.218, 69.664

Tritanomaly
55, 64.075, 38.943

Monochromacy



Original Color
55, 76.447, 52.830

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 27.160, 57.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 76.447, 52.830 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 76.447, 52.830 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, 16) }
```

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

```
.border{ border-color:rgb(219, 93, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 16);  
box-shadow:4px 4px 4px 4px rgb(219, 93,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 76.447, 52.830 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, 16) }
```

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

```
.background{ background-color: rgb(219, 93,  
16) }
```

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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