

Converting Colors

CIELCh(55, 75.843, 52.444)

Have a look what the booklet for
CIELCh(55, 75.843, 52.444) contains.

CIELCh(55, 75.843, 52.444)	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, 75.843, 52.444)

Conversions

Conversions Part 1

Format	Color
Hex	DB5D13
RGB	219, 93, 19
RGB Percent	86%, 36%, 7%
CMY	0.1413, 0.6353, 0.9256
CMYK	0.00, 0.58, 0.91, 0.14
HSL	22°, 84%, 47%
HSV	22°, 91%, 86%
XYZ	33.2377, 22.9298, 3.2892
YIQ	122.2380, 98.8500, 3.6980

Conversions

Conversions Part 2

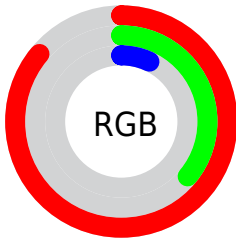
Format	Color
RYB	219, 136, 19
Decimal	14376211
CIELab	55.00, 46.23, 60.13
CIELCh	55, 75.843, 52.444
Yxy	22.9298, 0.5590, 0.3857
Android (android.graphics.Color)	4292566291 (0xFFDB5D13)
YUV	122.2380, -50.8963, 84.8603
Hunter-Lab	47.8851, 40.1005, 29.4469

Details

The CIELCh color **55, 75.843, 52.444** 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 **58, 46.610, 264.233**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.077, 57.436**, and **35, 66.857, 45.614** is the 20% darker color. If you saturate the color by 10%, you get **53, 81.415, 50.814**, and if you desaturate by 10%, it is **58, 67.629, 53.741**.

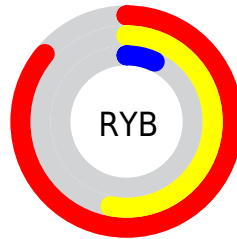
Distribution



Red (86%)

Green (36%)

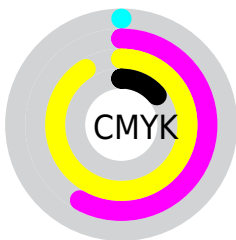
Blue (7%)



Red (86%)

Yellow (53%)

Blue (7%)

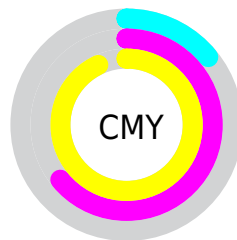


Cyan (0%)

Magenta (58%)

Yellow (91%)

Black (14%)



Cyan (14%)

Magenta (64%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 75.843, 52.444 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, 75.843, 52.444 by changing the saturation by 10% instead.

55, 75.843, 52.444

55, 75.843, 52.444

100, 75.843,
52.444

45, 75.843, 52.444

75, 75.843, 52.444

35, 75.843, 52.444

85, 75.843, 52.444

25, 75.843, 52.444

95, 75.843, 52.444

15, 75.843, 52.444

5, 75.843, 52.444

0, 75.843, 52.444

55, 75.843, 52.444

55, 75.843, 52.444

53, 81.415, 50.814

58, 67.629, 53.741

61, 58.288, 54.559

64, 48.765, 55.232

68, 39.519, 55.908

71, 30.745, 56.637

75, 22.505, 57.428

79, 14.800, 58.270

83, 7.599, 59.133

87, 0.859, 59.541

Harmonies

Complementary

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



55, 75.843, 52.444



58, 46.610, 264.233

Rectangle

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



55, 75.843, 52.444



55, 75.843, 102.444



55, 75.843, 232.444



55, 75.843, 282.444

Sweetspot

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



55, 75.841, 52.446



88, 21.633, 57.768



49, 78.543, 348.198



45, 14.753, 57.482



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, 75.841, 52.446



61, 91.614, 50.492



78, 77.228, 94.188



44, 3.787, 59.293



42, 68.029, 51.414



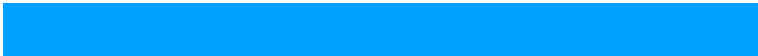
9, 18.944, 45.418

Inverse Universe

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



58, 46.610, 264.233



64, 56.320, 269.103



32, 104.111, 302.771



44, 3.633, 241.287



44, 41.439, 267.738



10, 14.846, 257.036

Previews

White Background



This preview shows how the CIELCh color 55, 75.843, 52.444 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, 75.843, 52.444 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, 75.843, 52.444

Background



This preview shows how black text looks on a background with the CIELCh color 55, 75.843, 52.444.



This preview shows how white text looks on a background with the CIELCh color 55, 75.843, 52.444.

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, 75.843, 52.444

Protanopia

55, 53.536, 95.509

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 58.263, 25.127

Trichromacy



Original Color
55, 75.843, 52.444

Protanomaly
54, 56.453, 75.034

Deuteranomaly
54, 64.049, 69.595

Tritanomaly
55, 63.781, 38.545

Monochromacy



Original Color
55, 75.843, 52.444

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 26.362, 55.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 75.843, 52.444 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 75.843, 52.444 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, 19) }
```

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

```
.border{ border-color:rgb(219, 93, 19) }
```

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, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 19);  
box-shadow:4px 4px 4px 4px rgb(219, 93,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 75.843, 52.444 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, 19) }
```

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

```
.background{ background-color: rgb(219, 93,  
19) }
```

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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