

Converting Colors

CIELCh(55, 70.684, 48.884)

Have a look what the booklet for
CIELCh(55, 70.684, 48.884) contains.

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Color

CIELCh(55, 70.477, 48.970)

Conversions

Conversions Part 1

Format	Color
Hex	DA5D26
RGB	218, 93, 38
RGB Percent	85%, 36%, 15%
CMY	0.1444, 0.6347, 0.8504
CMYK	0.00, 0.57, 0.83, 0.14
HSL	18°, 71%, 50%
HSV	18°, 83%, 86%
XYZ	33.2479, 22.9298, 4.5196
YIQ	124.1050, 92.1550, 9.3950

Conversions

Conversions Part 2

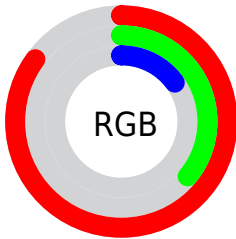
Format	Color
R _{YB}	218, 117, 38
Decimal	14310694
CIE Lab	55.00, 46.26, 53.17
CIE LCh	55, 70.477, 48.970
Yxy	22.9298, 0.5478, 0.3778
Android (android.graphics.Color)	4292500774 (0xFFDA5D26)
YUV	124.1050, -42.4498, 82.3459
Hunter-Lab	47.8851, 40.1383, 27.9236

Details

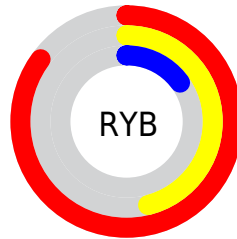
The CIELCh color **55, 70.477, 48.970** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **63, 39.690, 249.388**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 60.019, 53.421**, and **35, 66.857, 45.614** is the 20% darker color. If you saturate the color by 10%, you get **52, 79.029, 48.249**, and if you desaturate by 10%, it is **58, 60.698, 49.204**.

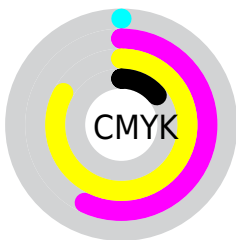
Distribution



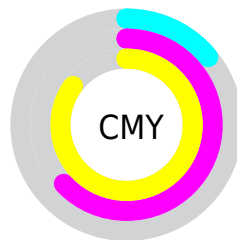
- Red (85%)
- Green (36%)
- Blue (15%)



- Red (85%)
- Yellow (46%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (83%)
- Black (14%)



- Cyan (14%)
- Magenta (63%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 70.477, 48.970 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, 70.477, 48.970 by changing the saturation by 10% instead.

55, 70.477, 48.970

55, 70.477, 48.970

100, 70.477,
48.970

45, 70.477, 48.970

75, 70.477, 48.970

35, 70.477, 48.970

85, 70.477, 48.970

25, 70.477, 48.970

95, 70.477, 48.970

15, 70.477, 48.970

5, 70.477, 48.970

0, 70.477, 48.970

55, 70.477, 48.970

55, 70.477, 48.970

52, 79.029, 48.249

58, 60.698, 49.204

51, 84.137, 47.330

61, 50.756, 49.337

65, 41.144, 49.532

69, 32.065, 49.839

73, 23.588, 50.260

77, 15.713, 50.775

82, 8.409, 51.351

86, 1.626, 51.748

90, 4.688, 232.894

Harmonies

Complementary

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



55, 70.477, 48.970



63, 39.690, 249.388

Rectangle

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



55, 70.477, 48.970



55, 70.477, 98.970



55, 70.477, 228.970



55, 70.477, 278.970

Sweetspot

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



55, 70.475, 48.973



88, 20.007, 50.628



51, 79.390, 342.025



45, 13.838, 50.443



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, 70.475, 48.973



59, 94.254, 47.162



75, 70.781, 90.255



44, 3.786, 51.528



40, 70.475, 47.855



8, 19.623, 39.229

Inverse Universe

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



63, 39.690, 249.388



69, 49.612, 257.750



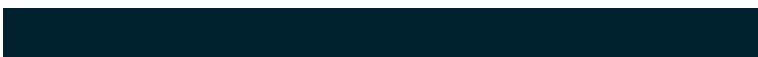
39, 86.658, 297.922



44, 3.601, 233.069



48, 36.917, 256.889



11, 13.789, 246.622

Previews

White Background



This preview shows how the CIELCh color 55, 70.477, 48.970 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, 70.477, 48.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

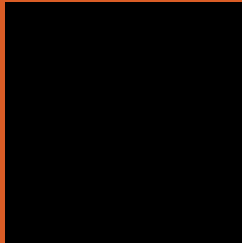
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 70.477, 48.970

Background



This preview shows how black text looks on a background with the CIELCh color 55, 70.477, 48.970.



This preview shows how white text looks on a background with the CIELCh color 55, 70.477, 48.970.

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, 70.477, 48.970

Protanopia

55, 46.087, 95.153

Deuteranopia

55, 55.839, 82.344



Tritanopia
55, 57.370, 24.905

Trichromacy



Original Color
55, 70.477, 48.970

Protanomaly
54, 50.025, 72.241

Deuteranomaly
54, 58.659, 67.143

Tritanomaly
55, 60.861, 35.589

Monochromacy



Original Color
55, 70.477, 48.970

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 23.631, 50.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 70.477, 48.970 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(218, 93, 38)` looks like.

```
.text, #text, p{  
    color:rgb(218, 93, 38)  
}
```

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(218, 93, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 93, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 70.477, 48.970 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(218, 93, 38) }
```

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

```
.border{ border-color:rgb(218, 93, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 93, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 93, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 93, 38);  
box-shadow:4px 4px 4px 4px rgb(218, 93,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 70.477, 48.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 93, 38) }
```

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

```
.background{ background-color: rgb(218, 93,  
38) }
```

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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