

Converting Colors

CIELCh(55, 71.429, 44.915)

Have a look what the booklet for
CIELCh(55, 71.429, 44.915) contains.

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Color

CIELCh(55, 71.327, 44.819)

Conversions

Conversions Part 1

Format	Color
Hex	DF582D
RGB	223, 88, 45
RGB Percent	87%, 35%, 18%
CMY	0.1246, 0.6541, 0.8228
CMYK	0.00, 0.60, 0.80, 0.12
HSL	14°, 74%, 53%
HSV	14°, 80%, 88%
XYZ	34.4889, 22.9298, 5.1092
YIQ	123.4630, 94.2630, 15.2470

Conversions

Conversions Part 2

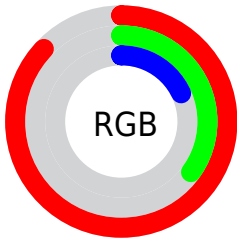
Format	Color
RYB	223, 102, 45
Decimal	14637101
CIELab	55.00, 50.59, 50.28
CIElCh	55, 71.327, 44.819
Yxy	22.9298, 0.5516, 0.3667
Android (android.graphics.Color)	4292827181 (0xFFDF582D)
YUV	123.4630, -38.6823, 87.2939
Hunter-Lab	47.8851, 44.7645, 27.1935

Details

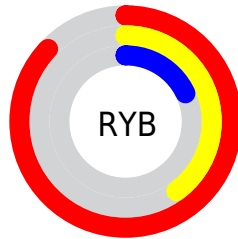
The CIELCh color **55, 71.327, 44.819** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **68, 37.780, 236.783**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 58.578, 48.680**, and **35, 69.909, 43.531** is the 20% darker color. If you saturate the color by 10%, you get **52, 80.907, 45.039**, and if you desaturate by 10%, it is **58, 60.846, 44.313**.

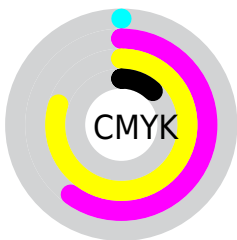
Distribution



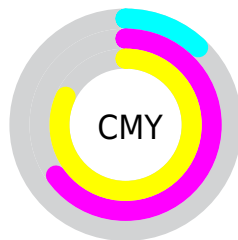
- Red (87%)
- Green (35%)
- Blue (18%)



- Red (87%)
- Yellow (40%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (80%)
- Black (12%)



- Cyan (12%)
- Magenta (65%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 71.327, 44.819 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, 71.327, 44.819 by changing the saturation by 10% instead.

■ 55, 71.327, 44.819

■ 55, 71.327, 44.819

■ 100, 71.327,
44.819

■ 45, 71.327, 44.819

■ 75, 71.327, 44.819

■ 35, 71.327, 44.819

■ 85, 71.327, 44.819

■ 25, 71.327, 44.819

■ 95, 71.327, 44.819

■ 15, 71.327, 44.819

■ 5, 71.327, 44.819

■ 0, 71.327, 44.819

■ 55, 71.327, 44.819

■ 55, 71.327, 44.819

■ 52, 80.907, 45.039

■ 58, 60.846, 44.313

■ 50, 88.300, 44.584

■ 62, 50.399, 43.854

50, 88.471, 44.584

66, 40.394, 43.560

70, 30.998, 43.449

75, 22.264, 43.503

79, 14.187, 43.687

84, 6.729, 43.949

89, 0.163, 227.961

94, 6.546, 224.955

Harmonies

Complementary

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



55, 71.327, 44.819



68, 37.780, 236.783

Rectangle

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



55, 71.327, 44.819



55, 71.327, 94.819



55, 71.327, 224.819



55, 71.327, 274.819

Sweetspot

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



55, 71.325, 44.822



87, 19.546, 43.592



53, 83.251, 337.938



45, 13.628, 43.530



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, 71.325, 44.822



58, 95.253, 44.662



74, 68.137, 85.395



45, 3.927, 43.957



39, 73.639, 45.030



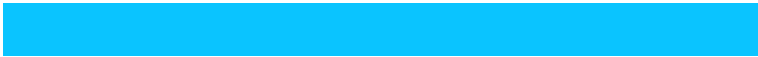
8, 21.758, 35.072

Inverse Universe

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



68, 37.780, 236.783



74, 44.957, 243.664



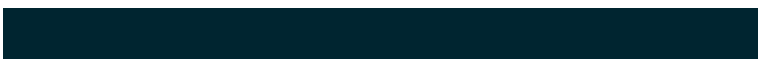
44, 77.517, 293.793



46, 3.712, 224.960



52, 34.301, 244.328



13, 13.675, 235.922

Previews

White Background



This preview shows how the CIELCh color 55, 71.327, 44.819 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, 71.327, 44.819 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, 71.327, 44.819

Background



This preview shows how black text looks on a background with the CIELCh color 55, 71.327, 44.819.



This preview shows how white text looks on a background with the CIELCh color 55, 71.327, 44.819.

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, 71.327, 44.819

Protanopia

55, 41.844, 95.447

Deuteranopia

55, 52.686, 82.050



Tritanopia
55, 61.816, 26.015

Trichromacy



Original Color
55, 71.327, 44.819

Protanomaly
54, 46.492, 68.164

Deuteranomaly
54, 56.333, 64.748

Tritanomaly
55, 64.482, 34.071

Monochromacy



Original Color
55, 71.327, 44.819

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 24.094, 43.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 71.327, 44.819 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(223, 88, 45)` looks like.

```
.text, #text, p{  
    color:rgb(223, 88, 45)  
}
```

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(223, 88, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 88, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 71.327, 44.819 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(223, 88, 45) }
```

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

```
.border{ border-color:rgb(223, 88, 45) }
```

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

Here you see how a box with a 4 pixel rgb(223, 88, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 88, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 88, 45);  
box-shadow:4px 4px 4px 4px rgb(223, 88,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 71.327, 44.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 88, 45) }
```

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

```
.background{ background-color: rgb(223, 88,  
45) }
```

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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