

Converting Colors

CIELCh(55, 75.871, 45.135)

Have a look what the booklet for
CIELCh(55, 75.871, 45.135) contains.

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Color

CIELCh(55, 75.815, 45.061)

Conversions

Conversions Part 1

Format	Color
Hex	E35426
RGB	227, 84, 38
RGB Percent	89%, 33%, 15%
CMY	0.1083, 0.6692, 0.8498
CMYK	0.00, 0.63, 0.83, 0.11
HSL	15°, 77%, 52%
HSV	15°, 83%, 89%
XYZ	35.3541, 22.9298, 4.4222
YIQ	121.5130, 99.9940, 16.0100

Conversions

Conversions Part 2

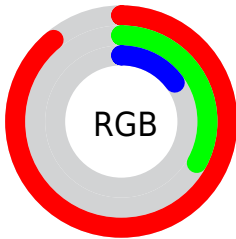
Format	Color
R_{YB}	227, 99, 38
Decimal	14898214
CIE _{Lab}	55.00, 53.55, 53.67
CIE _{LCh}	55, 75.815, 45.061
Yxy	22.9298, 0.5638, 0.3657
Android (android.graphics.Color)	4293088294 (0xFFE35426)
YUV	121.5130, -41.1719, 92.5121
Hunter-Lab	47.8851, 47.9893, 28.0441

Details

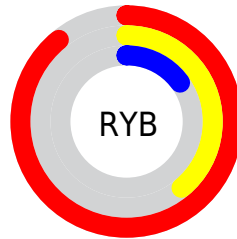
The CIELCh color **55, 75.815, 45.061** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **69, 39.072, 238.380**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 61.051, 49.273**, and **35, 72.295, 42.060** is the 20% darker color. If you saturate the color by 10%, you get **52, 84.838, 45.009**, and if you desaturate by 10%, it is **58, 65.355, 44.622**.

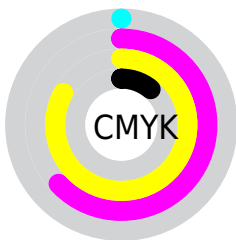
Distribution



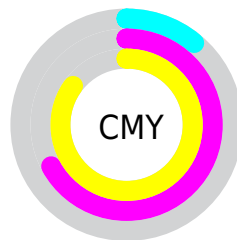
- Red (89%)
- Green (33%)
- Blue (15%)



- Red (89%)
- Yellow (39%)
- Blue (15%)



- Cyan (0%)
- Magenta (63%)
- Yellow (83%)
- Black (11%)



- Cyan (11%)
- Magenta (67%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 75.815, 45.061 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, 75.815, 45.061 by changing the saturation by 10% instead.

 55, 75.815, 45.061  55, 75.815, 45.061

 100, 75.815,
45.061  45, 75.815, 45.061

 75, 75.815, 45.061  35, 75.815, 45.061

 85, 75.815, 45.061  25, 75.815, 45.061

 95, 75.815, 45.061  15, 75.815, 45.061

 5, 75.815, 45.061

 0, 75.815, 45.061

 55, 75.815, 45.061  55, 75.815, 45.061

 52, 84.838, 45.009  58, 65.355, 44.622

 51, 89.665, 44.620  62, 54.684, 44.142

66, 44.355, 43.802

70, 34.603, 43.643

75, 25.515, 43.656

79, 17.099, 43.811

84, 9.326, 44.065

89, 2.147, 44.228

94, 4.497, 225.066

Harmonies

Complementary

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



55, 75.815, 45.061



69, 39.072, 238.380

Rectangle

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



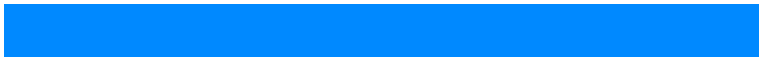
55, 75.815, 45.061



55, 75.815, 95.061



55, 75.815, 225.061



55, 75.815, 275.061

Sweetspot

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



55, 75.812, 45.063



87, 20.428, 43.770



53, 85.831, 338.318



44, 14.142, 43.709



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, 75.812, 45.063



57, 97.999, 44.446



75, 71.055, 84.817



46, 3.997, 44.168



40, 74.392, 45.069



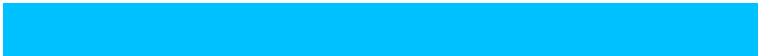
9, 23.027, 36.214

Inverse Universe

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



69, 39.072, 238.380



73, 45.666, 245.894



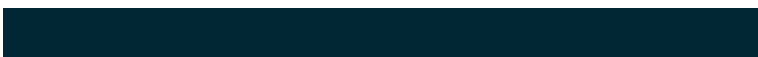
43, 82.408, 294.955



47, 3.779, 225.189



52, 34.742, 244.763



14, 14.148, 236.756

Previews

White Background



This preview shows how the CIELCh color 55, 75.815, 45.061 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, 75.815, 45.061 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, 75.815, 45.061

Background



This preview shows how black text looks on a background with the CIELCh color 55, 75.815, 45.061.



This preview shows how white text looks on a background with the CIELCh color 55, 75.815, 45.061.

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, 75.815, 45.061

Protanopia

55, 44.652, 95.653

Deuteranopia

55, 56.688, 82.543



Tritanopia
55, 65.336, 26.900

Trichromacy



Original Color
55, 75.815, 45.061

Protanomaly
54, 49.675, 68.853

Deuteranomaly
54, 60.385, 64.847

Tritanomaly
55, 68.442, 34.783

Monochromacy



Original Color
55, 75.815, 45.061

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 25.531, 42.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 75.815, 45.061 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(227, 84, 38)` looks like.

```
.text, #text, p{  
    color:rgb(227, 84, 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(227, 84, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 84, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 75.815, 45.061 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(227, 84, 38) }
```

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

```
.border{ border-color:rgb(227, 84, 38) }
```

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

Here you see how a box with a 4 pixel rgb(227, 84, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 84, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 84, 38);  
box-shadow:4px 4px 4px 4px rgb(227, 84,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 75.815, 45.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 84, 38) }
```

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

```
.background{ background-color: rgb(227, 84,  
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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