

Converting Colors

CIELCh(55, 86.022, 45.356)

Have a look what the booklet for
CIELCh(55, 86.022, 45.356) contains.

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Color

CIELCh(55, 86.174, 45.328)

Conversions

Conversions Part 1

Format	Color
Hex	ED4A14
RGB	237, 74, 20
RGB Percent	93%, 29%, 8%
CMY	0.0709, 0.7100, 0.9219
CMYK	0.00, 0.69, 0.92, 0.07
HSL	15°, 86%, 50%
HSV	15°, 92%, 93%
XYZ	37.4691, 22.9298, 3.1094
YIQ	116.5810, 114.4820, 17.7620

Conversions

Conversions Part 2

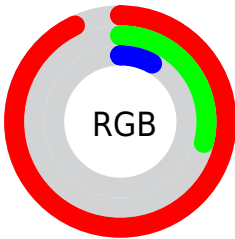
Format	Color
R_{YB}	237, 92, 20
Decimal	15550996
CIE Lab	55.00, 60.58, 61.28
CIE LCh	55, 86.174, 45.328
Yxy	22.9298, 0.5900, 0.3611
Android (android.graphics.Color)	4293741076 (0xFFED4A14)
YUV	116.5810, -47.6144, 105.6075
Hunter-Lab	47.8851, 55.8734, 29.6697

Details

The CIELCh color **55, 86.174, 45.328** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **70, 42.064, 242.970**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 67.333, 50.254**, and **36, 77.749, 39.913** is the 20% darker color. If you saturate the color by 10%, you get **53, 92.324, 44.757**, and if you desaturate by 10%, it is **58, 76.555, 45.344**.

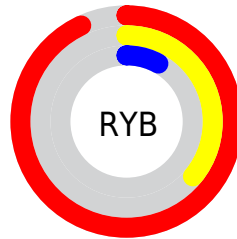
Distribution



Red (93%)

Green (29%)

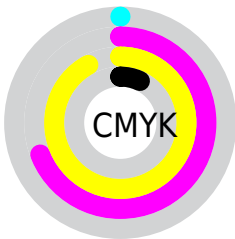
Blue (8%)



Red (93%)

Yellow (36%)

Blue (8%)

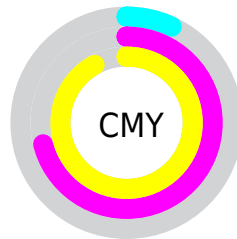


Cyan (0%)

Magenta (69%)

Yellow (92%)

Black (7%)



Cyan (7%)

Magenta (71%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 86.174, 45.328 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, 86.174, 45.328 by changing the saturation by 10% instead.

 55, 86.174, 45.328

 55, 86.174, 45.328

 100, 86.174,
45.328

 45, 86.174, 45.328

 75, 86.174, 45.328

 35, 86.174, 45.328

 85, 86.174, 45.328

 25, 86.174, 45.328

 95, 86.174, 45.328

 15, 86.174, 45.328

 5, 86.174, 45.328

 0, 86.174, 45.328

 55, 86.174, 45.328

 55, 86.174, 45.328

 53, 92.324, 44.757

 58, 76.555, 45.344

 61, 65.688, 44.940

65, 54.711, 44.528

69, 44.139, 44.259

74, 34.184, 44.167

78, 24.918, 44.239

83, 16.344, 44.444

88, 8.425, 44.737

93, 1.108, 44.678

Harmonies

Complementary

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



55, 86.174, 45.328



70, 42.064, 242.970

Rectangle

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



55, 86.174, 45.328



55, 86.174, 95.328



55, 86.174, 225.328



55, 86.174, 275.328

Sweetspot

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



55, 86.171, 45.330



86, 22.192, 44.316



54, 90.683, 339.355



44, 15.167, 44.255



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, 86.171, 45.330



57, 97.746, 44.646



76, 76.991, 83.241



47, 4.062, 44.802



41, 75.009, 45.250



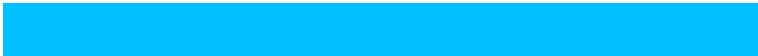
10, 24.235, 37.497

Inverse Universe

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



70, 42.064, 242.970



73, 45.951, 247.042



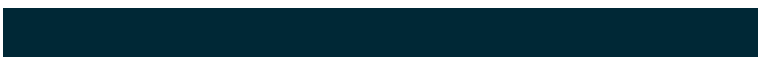
41, 94.667, 297.818



48, 3.841, 225.873



53, 35.322, 245.948



14, 14.651, 238.226

Previews

White Background



This preview shows how the CIELCh color 55, 86.174, 45.328 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, 86.174, 45.328 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, 86.174, 45.328

Background



This preview shows how black text looks on a background with the CIELCh color 55, 86.174, 45.328.



This preview shows how white text looks on a background with the CIELCh color 55, 86.174, 45.328.

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, 86.174, 45.328

Protanopia

55, 51.391, 95.403

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 74.035, 29.826

Trichromacy



Original Color
55, 86.174, 45.328

Protanomaly
53, 56.786, 67.999

Deuteranomaly
54, 66.421, 64.374

Tritanomaly
55, 78.557, 36.971

Monochromacy



Original Color
55, 86.174, 45.328

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 30.331, 43.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 86.174, 45.328 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(237, 74, 20)` looks like.

```
.text, #text, p{  
    color:rgb(237, 74, 20)  
}
```

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(237, 74, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 74, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 86.174, 45.328 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(237, 74, 20) }
```

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

```
.border{ border-color:rgb(237, 74, 20) }
```

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

Here you see how a box with a 4 pixel rgb(237, 74, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 74, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 74, 20);  
box-shadow:4px 4px 4px 4px rgb(237, 74,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 86.174, 45.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 74, 20) }
```

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

```
.background{ background-color: rgb(237, 74,  
20) }
```

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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