

Converting Colors

CIELCh(55, 75.991, 49.921)

Have a look what the booklet for
CIELCh(55, 75.991, 49.921) contains.

CIELCh(55, 75.933, 49.964)	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, 75.933, 49.964)

Conversions

Conversions Part 1

Format	Color
Hex	DE5A1A
RGB	222, 90, 26
RGB Percent	87%, 35%, 10%
CMY	0.1292, 0.6469, 0.8979
CMYK	0.00, 0.59, 0.88, 0.13
HSL	20°, 79%, 49%
HSV	20°, 88%, 87%
XYZ	33.9838, 22.9298, 3.6143
YIQ	122.1720, 99.2160, 8.0800

Conversions

Conversions Part 2

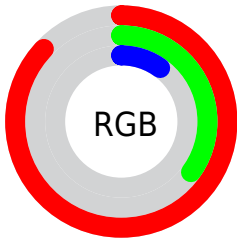
Format	Color
RYB	222, 121, 26
Decimal	14572058
CIELab	55.00, 48.85, 58.14
CIElCh	55, 75.933, 49.964
Yxy	22.9298, 0.5615, 0.3788
Android (android.graphics.Color)	4292762138 (0xFFDE5A1A)
YUV	122.1720, -47.4128, 87.5492
Hunter-Lab	47.8851, 42.8816, 29.0444

Details

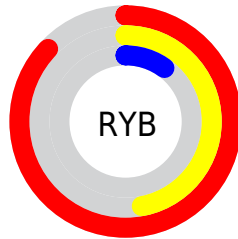
The CIELCh color **55, 75.933, 49.964** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **62, 42.993, 255.691**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 63.921, 54.898**, and **35, 68.798, 44.434** is the 20% darker color. If you saturate the color by 10%, you get **52, 83.145, 48.551**, and if you desaturate by 10%, it is **58, 66.734, 50.644**.

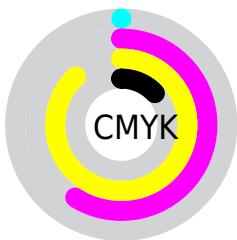
Distribution



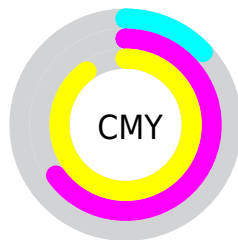
- Red (87%)
- Green (35%)
- Blue (10%)



- Red (87%)
- Yellow (47%)
- Blue (10%)



- Cyan (0%)
- Magenta (59%)
- Yellow (88%)
- Black (13%)



- Cyan (13%)
- Magenta (65%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 75.933, 49.964 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, 75.933, 49.964 by changing the saturation by 10% instead.

55, 75.933, 49.964

55, 75.933, 49.964

100, 75.933,
49.964

45, 75.933, 49.964

75, 75.933, 49.964

35, 75.933, 49.964

85, 75.933, 49.964

25, 75.933, 49.964

95, 75.933, 49.964

15, 75.933, 49.964

5, 75.933, 49.964

0, 75.933, 49.964

55, 75.933, 49.964

55, 75.933, 49.964

52, 83.145, 48.551

58, 66.734, 50.644

52, 84.317, 48.345

61, 56.811, 51.007

65, 46.956, 51.333

68, 37.525, 51.727

72, 28.656, 52.219

76, 20.383, 52.801

81, 12.690, 53.454

85, 5.538, 54.128

89, 1.123, 235.465

Harmonies

Complementary

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



55, 75.933, 49.964



62, 42.993, 255.691

Rectangle

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



55, 75.933, 49.964



55, 75.933, 99.964



55, 75.933, 229.964



55, 75.933, 279.964

Sweetspot

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



55, 75.930, 49.966



88, 20.809, 52.932



50, 81.213, 344.049



45, 14.292, 52.714



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, 75.930, 49.966



59, 93.879, 48.077



77, 74.914, 90.748



45, 3.851, 54.052



42, 70.463, 48.891



9, 20.680, 42.116

Inverse Universe

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



62, 42.993, 255.691



67, 51.785, 262.018



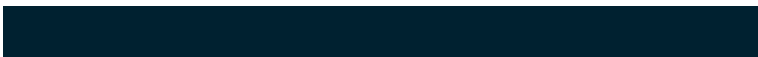
36, 96.414, 300.311



45, 3.672, 235.757



47, 38.677, 260.703



11, 14.626, 250.807

Previews

White Background



This preview shows how the CIELCh color 55, 75.933, 49.964 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, 75.933, 49.964 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, 75.933, 49.964

Background



This preview shows how black text looks on a background with the CIELCh color 55, 75.933, 49.964.



This preview shows how white text looks on a background with the CIELCh color 55, 75.933, 49.964.

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, 75.933, 49.964

Protanopia

55, 50.639, 95.377

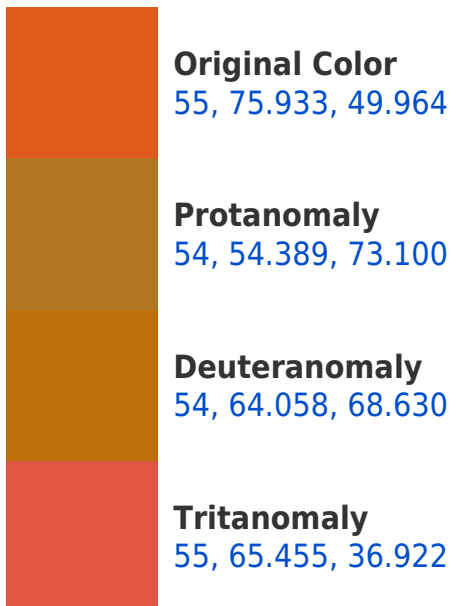
Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 60.931, 25.793

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 75.933, 49.964 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(222, 90, 26)` looks like.

```
.text, #text, p{  
    color:rgb(222, 90, 26)  
}
```

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(222, 90, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 90, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 75.933, 49.964 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(222, 90, 26) }
```

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

```
.border{ border-color:rgb(222, 90, 26) }
```

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

Here you see how a box with a 4 pixel rgb(222, 90, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 90, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 90, 26);  
box-shadow:4px 4px 4px 4px rgb(222, 90,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 75.933, 49.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 90, 26) }
```

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

```
.background{ background-color: rgb(222, 90,  
26) }
```

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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