

Converting Colors

CIELCh(30, 55.514, 40.570)

Have a look what the booklet for
CIELCh(30, 55.514, 40.570) contains.

CIELCh(30, 55.570, 40.641)	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(30, 55.570, 40.641)

Conversions

Conversions Part 1

Format	Color
Hex	87210F
RGB	135, 33, 15
RGB Percent	53%, 13%, 6%
CMY	0.4717, 0.8716, 0.9420
CMYK	0.00, 0.76, 0.89, 0.47
HSL	9°, 80%, 29%
HSV	9°, 89%, 53%
XYZ	10.5697, 6.2359, 1.0909
YIQ	61.4460, 66.5700, 16.0260

Conversions

Conversions Part 2

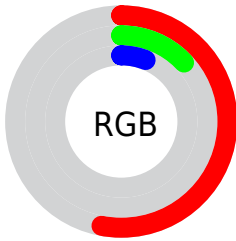
Format	Color
R_{YB}	135, 36, 15
Decimal	8855823
CIE _{Lab}	30.00, 42.17, 36.19
CIE _{LCh}	30, 55.570, 40.641
Yxy	6.2359, 0.5906, 0.3484
Android (android.graphics.Color)	4287045903 (0xFF87210F)
YUV	61.4460, -22.8979, 64.5069
Hunter-Lab	24.9718, 31.8523, 14.8900

Details

The CIELCh color **30, 55.570, 40.641** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **45, 26.508, 221.164**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 55.578, 40.262**, and **13, 39.430, 31.373** is the 20% darker color. If you saturate the color by 10%, you get **29, 61.208, 41.775**, and if you desaturate by 10%, it is **32, 48.748, 39.136**.

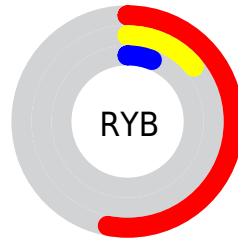
Distribution



Red (53%)

Green (13%)

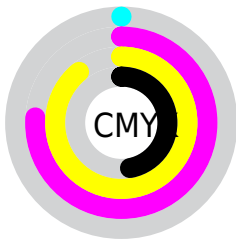
Blue (6%)



Red (53%)

Yellow (14%)

Blue (6%)

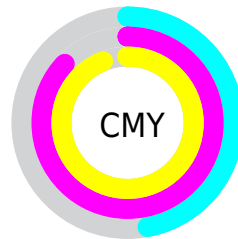


Cyan (0%)

Magenta (76%)

Yellow (89%)

Black (47%)



Cyan (47%)

Magenta (87%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 55.570, 40.641 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 30, 55.570, 40.641 by changing the saturation by 10% instead.

■ 30, 55.570, 40.641

■ 30, 55.570, 40.641

■ 100, 55.570,
40.641

■ 20, 55.570, 40.641

■ 50, 55.570, 40.641

■ 10, 55.570, 40.641

■ 60, 55.570, 40.641

■ 0, 55.570, 40.641

■ 70, 55.570, 40.641

■ 80, 55.570, 40.641

■ 90, 55.570, 40.641

■ 30, 55.570, 40.641

■ 30, 55.570, 40.641

■ 29, 61.208, 41.775

■ 32, 48.748, 39.136

28, 61.715, 41.910

34, 41.548, 37.641

37, 34.419, 36.387

40, 27.572, 35.422

43, 21.112, 34.725

46, 15.084, 34.252

50, 9.493, 33.952

53, 4.324, 33.758

57, 0.454, 214.729

Harmonies

Complementary

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



30, 55.570, 40.641



45, 26.508, 221.164

Rectangle

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



30, 55.570, 40.641



30, 55.570, 90.641



30, 55.570, 220.641



30, 55.570, 270.641

Sweetspot

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



30, 55.568, 40.643



60, 17.356, 34.200



31, 63.059, 333.519



30, 11.927, 34.311



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 55.568, 40.643



38, 76.496, 42.220



42, 47.684, 75.655



26, 2.670, 33.760



27, 59.893, 41.772



0, 0.619, 33.811

Inverse Universe

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



45, 26.508, 221.164



57, 33.002, 224.481



27, 49.369, 289.710



27, 2.524, 213.953



43, 26.473, 223.666



0, 0.619, 213.830

Previews

White Background



This preview shows how the CIELCh color 30, 55.570, 40.641 looks on a white 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 55.570, 40.641

Background



This preview shows how black text looks on a background with the CIELCh color 30, 55.570, 40.641.



This preview shows how white text looks on a background with the CIELCh color 30, 55.570, 40.641.

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

30, 55.570, 40.641

Protanopia

31, 29.400, 95.503

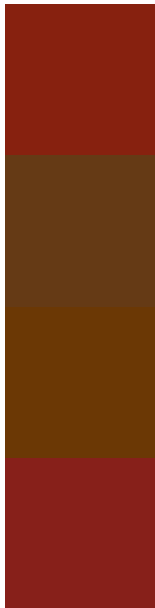
Deuteranopia

31, 39.828, 85.636



Tritanopia
30, 50.918, 31.367

Trichromacy



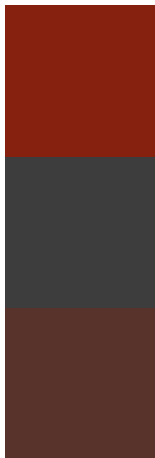
Original Color
30, 55.570, 40.641

Protanomaly
29, 33.865, 62.436

Deuteranomaly
29, 42.277, 63.076

Tritanomaly
30, 52.440, 35.161

Monochromacy



Original Color
30, 55.570, 40.641

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 19.579, 36.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 55.570, 40.641 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(135, 33, 15)` looks like.

```
.text, #text, p{  
    color:rgb(135, 33, 15)  
}
```

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(135, 33, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 33, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 55.570, 40.641 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(135, 33, 15) }
```

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

```
.border{ border-color:rgb(135, 33, 15) }
```

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

Here you see how a box with a 4 pixel rgb(135, 33, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 33, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 33, 15);  
box-shadow:4px 4px 4px 4px rgb(135, 33,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 55.570, 40.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 33, 15) }
```

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

```
.background{ background-color: rgb(135, 33,  
15) }
```

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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