

Converting Colors

CIELCh(35, 45.905, 54.778)

Have a look what the booklet for
CIELCh(35, 45.905, 54.778) contains.

CIELCh(35, 45.691, 54.725)	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(35, 45.691, 54.725)

Conversions

Conversions Part 1

Format	Color
Hex	833F15
RGB	131, 63, 21
RGB Percent	51%, 25%, 8%
CMY	0.4848, 0.7517, 0.9165
CMYK	0.00, 0.52, 0.84, 0.48
HSL	23°, 72%, 30%
HSV	23°, 84%, 52%
XYZ	11.3493, 8.4984, 1.7664
YIQ	78.5440, 54.0100, 1.3540

Conversions

Conversions Part 2

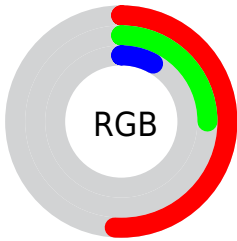
Format	Color
R_{YB}	131, 89, 21
Decimal	8601365
CIE Lab	35.00, 26.39, 37.30
CIE LCh	35, 45.691, 54.725
Yxy	8.4984, 0.5251, 0.3932
Android (android.graphics.Color)	4286791445 (0xFF833F15)
YUV	78.5440, -28.3692, 46.0039
Hunter-Lab	29.1520, 18.4765, 16.8139

Details

The CIELCh color **35, 45.691, 54.725** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **36, 29.668, 260.844**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 45.517, 54.506**, and **15, 34.950, 40.835** is the 20% darker color. If you saturate the color by 10%, you get **33, 51.163, 53.476**, and if you desaturate by 10%, it is **37, 39.577, 55.591**.

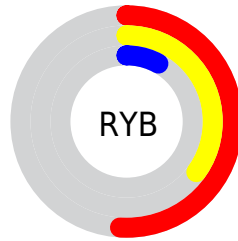
Distribution



Red (51%)

Green (25%)

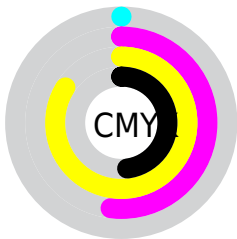
Blue (8%)



Red (51%)

Yellow (35%)

Blue (8%)

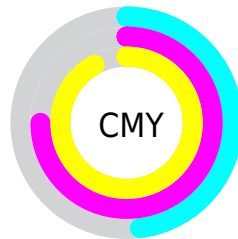


Cyan (0%)

Magenta (52%)

Yellow (84%)

Black (48%)



Cyan (48%)

Magenta (75%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 45.691, 54.725 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 35, 45.691, 54.725 by changing the saturation by 10% instead.

■ 35, 45.691, 54.725

■ 35, 45.691, 54.725

■ 100, 45.691,
54.725

■ 25, 45.691, 54.725

■ 55, 45.691, 54.725

■ 15, 45.691, 54.725

■ 65, 45.691, 54.725

■ 5, 45.691, 54.725

■ 75, 45.691, 54.725

■ 0, 45.691, 54.725

■ 85, 45.691, 54.725

■ 95, 45.691, 54.725

■ 35, 45.691, 54.725

■ 35, 45.691, 54.725

■ 33, 51.163, 53.476

■ 37, 39.577, 55.591

32, 54.652, 52.995

39, 33.351, 56.320

41, 27.289, 57.041

44, 21.513, 57.802

46, 16.064, 58.613

49, 10.946, 59.465

51, 6.144, 60.339

54, 1.633, 61.108

57, 2.616, 242.371

Harmonies

Complementary

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



35, 45.691, 54.725



36, 29.668, 260.844

Rectangle

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



35, 45.691, 54.725



35, 45.691, 104.725



35, 45.691, 234.725



35, 45.691, 284.725

Sweetspot

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



35, 45.690, 54.728



62, 14.345, 59.311



30, 51.993, 345.892



31, 9.960, 59.052



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



35, 45.690, 54.728



42, 66.836, 52.176



49, 50.000, 95.286



27, 2.496, 60.736



32, 54.215, 53.016



0, 0.584, 61.656

Inverse Universe

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



36, 29.668, 260.844



43, 41.890, 269.410



20, 63.079, 300.058



27, 2.406, 242.672



33, 33.725, 268.087



0, 0.584, 241.673

Previews

White Background



This preview shows how the CIE LCh color 35, 45.691, 54.725 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



This preview shows how the CIELCh color 35, 45.691, 54.725 looks on a 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 35, 45.691, 54.725

Background



This preview shows how black text looks on a background with the CIELCh color 35, 45.691, 54.725.



This preview shows how white text looks on a background with the CIELCh color 35, 45.691, 54.725.

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

35, 45.691, 54.725

Protanopia

35, 33.737, 95.742

Deuteranopia

35, 39.409, 83.570



Tritanopia
35, 34.693, 22.066

Trichromacy



Original Color
35, 45.691, 54.725

Protanomaly
35, 35.407, 77.487

Deuteranomaly
35, 40.368, 71.114

Tritanomaly
35, 36.929, 37.272

Monochromacy



Original Color
35, 45.691, 54.725

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 15.545, 57.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 45.691, 54.725 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(131, 63, 21)` looks like.

```
.text, #text, p{  
    color:rgb(131, 63, 21)  
}
```

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(131, 63, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 63, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 45.691, 54.725 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(131, 63, 21) }
```

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

```
.border{ border-color:rgb(131, 63, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 63, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 63, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 63, 21);  
box-shadow:4px 4px 4px 4px rgb(131, 63,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 45.691, 54.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 63, 21) }
```

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

```
.background{ background-color: rgb(131, 63,  
21) }
```

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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