

Converting Colors

CIELCh(35, 44.555, 80.485)

Have a look what the booklet for
CIELCh(35, 44.555, 80.485) contains.

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Color

CIELCh(35, 44.472, 80.664)

Conversions

Conversions Part 1

Format	Color
Hex	6D4D00
RGB	109, 77, 0
RGB Percent	43%, 30%, 0%
CMY	0.5738, 0.6991, 1.0000
CMYK	0.00, 0.29, 1.00, 0.57
HSL	42°, 100%, 21%
HSV	42°, 100%, 43%
XYZ	8.8991, 8.4984, 1.1632
YIQ	77.7900, 43.7890, -17.1630

Conversions

Conversions Part 2

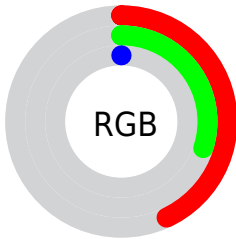
Format	Color
RYB	45, 109, 0
Decimal	7163136
CIELab	35.00, 7.21, 43.88
CIELCh	35, 44.472, 80.664
Yxy	8.4984, 0.4795, 0.4579
Android (android.graphics.Color)	4285353216 (0xFF6D4D00)
YUV	77.7900, -38.3505, 27.3712
Hunter-Lab	29.1520, 3.4740, 18.0407

Details

The CIELCh color **35, 44.472, 80.664** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **16, 52.702, 296.937**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 44.436, 80.568**, and **15, 23.705, 70.625** is the 20% darker color. If you saturate the color by 10%, you get **35, 44.374, 80.636**, and if you desaturate by 10%, it is **36, 41.347, 82.247**.

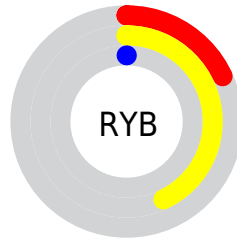
Distribution



Red (43%)

Green (30%)

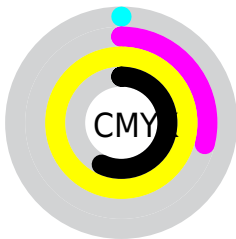
Blue (0%)



Red (18%)

Yellow (43%)

Blue (0%)

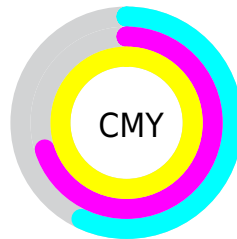


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (57%)



Cyan (57%)

Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 44.472, 80.664 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, 44.472, 80.664 by changing the saturation by 10% instead.

35, 44.472, 80.664

35, 44.472, 80.664

100, 44.472,
80.664

25, 44.472, 80.664

55, 44.472, 80.664

15, 44.472, 80.664

65, 44.472, 80.664

5, 44.472, 80.664

75, 44.472, 80.664

0, 44.472, 80.664

85, 44.472, 80.664

95, 44.472, 80.664

35, 44.472, 80.664

35, 44.472, 80.664

35, 44.374, 80.636

36, 41.347, 82.247

■ 37, 38.013, 83.879

■ 38, 33.853, 85.348

■ 39, 29.224, 86.725

■ 40, 24.367, 88.048

■ 41, 19.427, 89.333

■ 42, 14.485, 90.585

■ 43, 9.587, 91.800

■ 45, 4.753, 92.970

Harmonies

Complementary

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



35, 44.472, 80.664



16, 52.702, 296.937

Rectangle

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



35, 44.472, 80.664



35, 44.472, 130.664



35, 44.472, 260.664



35, 44.472, 310.664

Sweetspot

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



35, 44.374, 80.636



54, 17.867, 90.487



21, 46.126, 18.080



27, 12.309, 90.092



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



35, 44.374, 80.636



45, 53.213, 79.946



43, 52.954, 114.186



22, 2.636, 93.089



38, 46.829, 80.415



76, 80.327, 78.860

Inverse Universe

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



16, 52.702, 296.937



22, 65.052, 297.878



11, 69.978, 307.607



21, 2.647, 275.245



18, 56.143, 297.246



40, 102.490, 299.235

Previews

White Background



This preview shows how the CIELCh color 35, 44.472, 80.664 looks on a white background.

Color Contrast Check

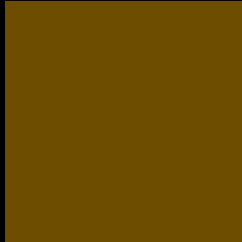
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 44.472, 80.664 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, 44.472, 80.664

Background



This preview shows how black text looks on a background with the CIELCh color 35, 44.472, 80.664.



This preview shows how white text looks on a background with the CIELCh color 35, 44.472, 80.664.

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, 44.472, 80.664

Protanopia

35, 40.914, 95.964

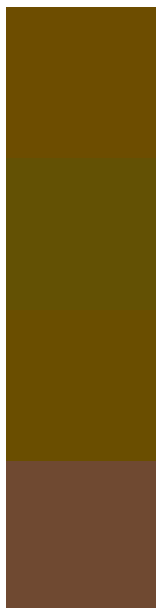
Deuteranopia

35, 43.881, 84.772



Tritanopia
35, 18.827, 11.383

Trichromacy



Original Color
35, 44.472, 80.664

Protanomaly
35, 41.955, 90.161

Deuteranomaly
35, 43.941, 83.324

Tritanomaly
35, 24.750, 57.504

Monochromacy



Original Color
35, 44.472, 80.664

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 18.251, 89.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 44.472, 80.664 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(109, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 77, 0)  
}
```

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(109, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 77, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 44.472, 80.664 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(109, 77, 0) }
```

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

```
.border{ border-color:rgb(109, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 44.472, 80.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 77, 0) }
```

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

```
.background{ background-color: rgb(109, 77,  
0) }
```

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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