

Converting Colors

CIELCh(35, 71.664, 48.450)

Have a look what the booklet for
CIELCh(35, 71.664, 48.450) contains.

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Color

CIELCh(35, 67.644, 45.032)

Conversions

Conversions Part 1

Format	Color
Hex	9D2500
RGB	157, 37, 0
RGB Percent	62%, 15%, 0%
CMY	0.3841, 0.8547, 0.9999
CMYK	0.00, 0.76, 1.00, 0.38
HSL	14°, 100%, 31%
HSV	14°, 100%, 62%
XYZ	14.5762, 8.4984, 0.8730
YIQ	68.6620, 83.3970, 13.9330

Conversions

Conversions Part 2

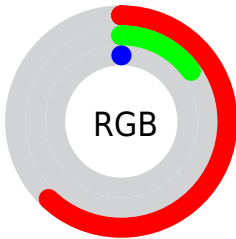
Format	Color
R _Y B	157, 48, 0
Decimal	10298624
CIE Lab	35.00, 47.80, 47.86
CIE LCh	35, 67.644, 45.032
Yxy	8.4984, 0.6087, 0.3549
Android (android.graphics.Color)	4288488704 (0xFF9D2500)
YUV	68.6620, -33.8504, 77.4724
Hunter-Lab	29.1520, 38.2353, 18.6309

Details

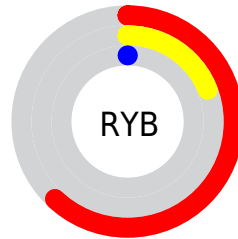
The CIELCh color **35, 67.644, 45.032** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 31.301, 242.648**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 67.338, 45.144**, and **18, 47.902, 35.127** is the 20% darker color. If you saturate the color by 10%, you get **35, 67.655, 45.036**, and if you desaturate by 10%, it is **37, 61.116, 44.745**.

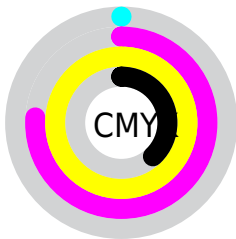
Distribution



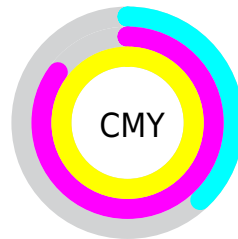
- Red (62%)
- Green (15%)
- Blue (0%)



- Red (62%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (38%)



- Cyan (38%)
- Magenta (85%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 67.644, 45.032 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, 67.644, 45.032 by changing the saturation by 10% instead.

35, 67.644, 45.032

35, 67.644, 45.032

100, 67.644,
45.032

25, 67.644, 45.032

55, 67.644, 45.032

15, 67.644, 45.032

65, 67.644, 45.032

5, 67.644, 45.032

75, 67.644, 45.032

0, 67.644, 45.032

85, 67.644, 45.032

95, 67.644, 45.032

35, 67.644, 45.032

35, 67.644, 45.032

35, 67.655, 45.036

37, 61.116, 44.745

■ 39, 53.693, 44.368

■ 41, 45.770, 43.801

■ 44, 37.933, 43.316

■ 47, 30.442, 43.001

■ 51, 23.405, 42.867

■ 54, 16.856, 42.892

■ 58, 10.791, 43.044

■ 61, 5.180, 43.270

Harmonies

Complementary

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



35, 67.644, 45.032



47, 31.301, 242.648

Rectangle

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



35, 67.644, 45.032



35, 67.644, 95.032



35, 67.644, 225.032



35, 67.644, 275.032

Sweetspot

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



35, 67.642, 45.034



69, 20.924, 42.887



35, 67.373, 340.067



34, 14.469, 42.863



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



35, 67.642, 45.034



46, 82.747, 44.524



51, 58.127, 82.191



32, 2.943, 43.286



32, 62.699, 45.071



2, 3.747, 42.246

Inverse Universe

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



47, 31.301, 242.648



60, 38.166, 243.604



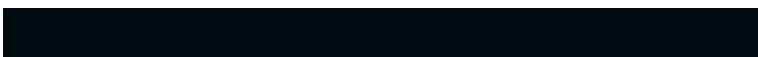
24, 74.179, 299.498



32, 2.788, 224.210



43, 29.151, 242.255



3, 3.687, 227.900

Previews

White Background



This preview shows how the CIELCh color 35, 67.644, 45.032 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, 67.644, 45.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

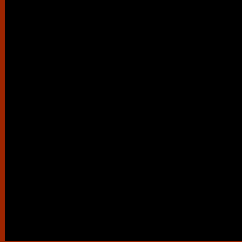
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 67.644, 45.032

Background



This preview shows how black text looks on a background with the CIELCh color 35, 67.644, 45.032.



This preview shows how white text looks on a background with the CIELCh color 35, 67.644, 45.032.

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, 67.644, 45.032

Protanopia

36, 37.648, 95.991

Deuteranopia

36, 44.207, 84.948



Tritanopia
35, 58.464, 32.549

Trichromacy



Original Color
35, 67.644, 45.032

Protanomaly
34, 43.142, 66.163

Deuteranomaly
34, 49.737, 62.941

Tritanomaly
35, 62.053, 38.546

Monochromacy



Original Color
35, 67.644, 45.032

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 24.403, 42.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 67.644, 45.032 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(157, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 37, 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(157, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 37, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 67.644, 45.032 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(157, 37, 0) }
```

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

```
.border{ border-color:rgb(157, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(157, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 67.644, 45.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 37, 0) }
```

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

```
.background{ background-color: rgb(157, 37,  
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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