

Converting Colors

CIELCh(33, 79.505, 33.395)

Have a look what the booklet for
CIELCh(33, 79.505, 33.395) contains.

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Color

CIELCh(35, 74.772, 37.262)

Conversions

Conversions Part 1

Format	Color
Hex	AA000A
RGB	170, 0, 10
RGB Percent	67%, 0%, 4%
CMY	0.3339, 1.0000, 0.9604
CMYK	0.00, 1.00, 0.94, 0.33
HSL	356°, 100%, 33%
HSV	356°, 100%, 67%
XYZ	16.5734, 8.4984, 1.0566
YIQ	51.9700, 98.1100, 39.1500

Conversions

Conversions Part 2

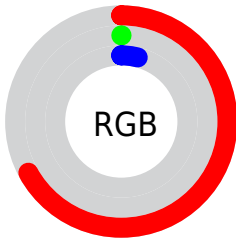
Format	Color
R_{YB}	170, 0, 10
Decimal	11141130
CIE Lab	35.00, 59.51, 45.27
CIE LCh	35, 74.772, 37.262
Yxy	8.4984, 0.6343, 0.3253
Android (android.graphics.Color)	4289331210 (0xFFAA000A)
YUV	51.9700, -20.6912, 103.5123
Hunter-Lab	29.1520, 50.4645, 18.2574

Details

The CIELCh color **35, 74.772, 37.262** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **63, 38.875, 187.737**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 74.846, 37.552**, and **21, 53.064, 36.672** is the 20% darker color. If you saturate the color by 10%, you get **35, 74.567, 37.443**, and if you desaturate by 10%, it is **36, 68.942, 33.889**.

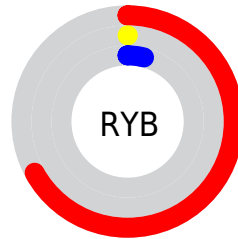
Distribution



Red (67%)

Green (0%)

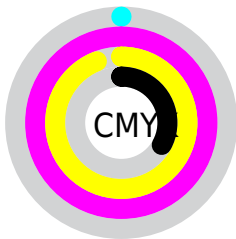
Blue (4%)



Red (67%)

Yellow (0%)

Blue (4%)

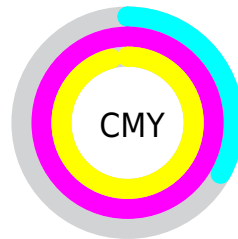


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (33%)



Cyan (33%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 74.772, 37.262 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, 74.772, 37.262 by changing the saturation by 10% instead.

 35, 74.772, 37.262

 35, 74.772, 37.262

 100, 74.772,
37.262

 25, 74.772, 37.262

 55, 74.772, 37.262

 15, 74.772, 37.262

 65, 74.772, 37.262

 5, 74.772, 37.262

 75, 74.772, 37.262

 0, 74.772, 37.262

 85, 74.772, 37.262

 95, 74.772, 37.262

 35, 74.772, 37.262

 35, 74.772, 37.262

 35, 74.567, 37.443

 36, 68.942, 33.889

■ 38, 62.004, 29.793

■ 40, 54.250, 26.109

■ 43, 46.040, 23.073

■ 47, 37.663, 20.666

■ 51, 29.378, 18.782

■ 55, 21.379, 17.304

■ 60, 13.787, 16.129

■ 65, 6.658, 15.161

Harmonies

Complementary

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



35, 74.772, 37.262



63, 38.875, 187.737

Rectangle

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



35, 74.772, 37.262



35, 74.772, 87.262



35, 74.772, 217.262



35, 74.772, 267.262

Sweetspot

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



35, 74.567, 37.443



71, 26.614, 17.376



38, 85.558, 325.643



35, 18.538, 17.947



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



35, 74.567, 37.443



46, 91.756, 38.088



43, 64.741, 55.692



33, 3.730, 15.096



30, 66.937, 36.942



1, 6.597, 15.156

Inverse Universe

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



35, 74.567, 37.443



46, 91.756, 38.088



40, 46.254, 276.374



33, 3.730, 15.096



30, 66.937, 36.942



1, 6.597, 15.156

Previews

White Background



This preview shows how the CIELCh color 35, 74.772, 37.262 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, 74.772, 37.262 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, 74.772, 37.262

Background



This preview shows how black text looks on a background with the CIELCh color 35, 74.772, 37.262.



This preview shows how white text looks on a background with the CIELCh color 35, 74.772, 37.262.

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, 74.642, 37.469

Protanopia

36, 35.116, 96.031

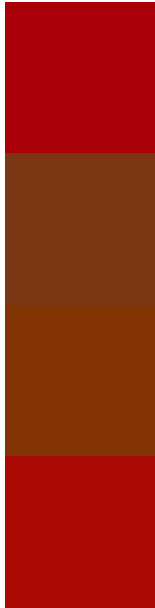
Deuteranopia

36, 44.716, 84.498



Tritanopia
36, 75.338, 41.131

Trichromacy



Original Color
35, 74.642, 37.469

Protanomaly
32, 43.964, 51.548

Deuteranomaly
32, 52.472, 53.153

Tritanomaly
35, 74.886, 39.646

Monochromacy



Original Color
35, 74.642, 37.469

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 31.107, 23.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 74.772, 37.262 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(170, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 10)  
}
```

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(170, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 74.772, 37.262 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(170, 0, 10) }
```

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

```
.border{ border-color:rgb(170, 0, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 0, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(170, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 74.772, 37.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 10) }
```

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

```
.background{ background-color: rgb(170, 0,  
10) }
```

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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