

Converting Colors

CIELCh(35, 40.345, 133.470)

Have a look what the booklet for
CIELCh(35, 40.345, 133.470)
contains.

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Color

CIELCh(35, 40.690, 133.233)

Conversions

Conversions Part 1

Format	Color
Hex	315D20
RGB	49, 93, 32
RGB Percent	19%, 36%, 13%
CMY	0.8095, 0.6370, 0.8761
CMYK	0.48, 0.00, 0.66, 0.64
HSL	103°, 49%, 24%
HSV	103°, 66%, 36%
XYZ	5.3782, 8.4984, 2.6949
YIQ	72.8900, -6.6430, -28.2990

Conversions

Conversions Part 2

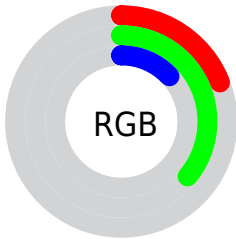
Format	Color
R_{YB}	32, 93, 76
Decimal	3235104
CIE Lab	35.00, -27.87, 29.65
CIE LCh	35, 40.690, 133.233
Yxy	8.4984, 0.3245, 0.5128
Android (android.graphics.Color)	4281425184 (0xFF315D20)
YUV	72.8900, -20.1588, -20.9515
Hunter-Lab	29.1520, -18.0850, 14.9254

Details

The CIELCh color **35, 40.690, 133.233** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **21, 42.191, 318.795**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 40.795, 133.301**, and **15, 33.785, 140.203** is the 20% darker color. If you saturate the color by 10%, you get **35, 45.687, 132.887**, and if you desaturate by 10%, it is **35, 35.105, 133.709**.

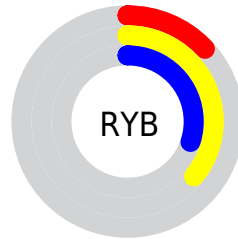
Distribution



Red (19%)

Green (36%)

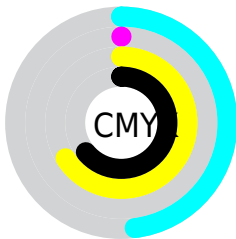
Blue (13%)



Red (13%)

Yellow (36%)

Blue (30%)

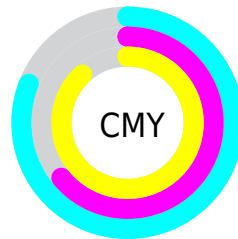


Cyan (48%)

Magenta (0%)

Yellow (66%)

Black (64%)



Cyan (81%)


Magenta (64%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 40.690, 133.233 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, 40.690, 133.233 by changing the saturation by 10% instead.


 35, 40.690,
133.233


 35, 40.690,
133.233

 100, 40.690,
133.233

 25, 40.690,
133.233

 55, 40.690,
133.233


 15, 40.690,
133.233


 65, 40.690,
133.233

 5, 40.690, 133.233

 75, 40.690,
133.233

 0, 40.690, 133.233

 85, 40.690,
133.233

 95, 40.690,
133.233

■ 35, 40.690,
133.233

■ 35, 40.690,
133.233

■ 35, 45.687,
132.887

■ 35, 35.105,
133.709

■ 34, 49.860,
132.769

■ 36, 29.124,
134.240

■ 34, 53.269,
132.781

■ 37, 22.899,
134.776

■ 34, 54.691,
132.658

■ 37, 16.540,
135.290

■ 38, 10.129,
135.769

■ 39, 3.727, 136.216

■ 40, 2.621, 316.529

■ 41, 8.884, 316.896

■ 42, 15.039,
317.197

Harmonies

Complementary

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



35, 40.690, 133.233



21, 42.191, 318.795

Rectangle

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



35, 40.690, 133.233



35, 40.690, 183.233



35, 40.690, 313.233



35, 40.690, 3.233

Sweetspot

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



35, 40.690, 133.234



48, 15.812, 135.546



33, 28.239, 86.943



24, 10.876, 135.457



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 40.690, 133.234



44, 57.752, 132.786



34, 37.953, 145.104



18, 3.542, 136.084



40, 61.800, 132.934



83, 109.992, 133.720

Inverse Universe

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



21, 42.191, 318.795



25, 59.936, 318.916



23, 37.470, 335.399



17, 3.566, 316.741



19, 63.910, 318.478



45, 112.991, 317.917

Previews

White Background



This preview shows how the CIELCh color 35, 40.690, 133.233 looks on a white background.

Color Contrast Check

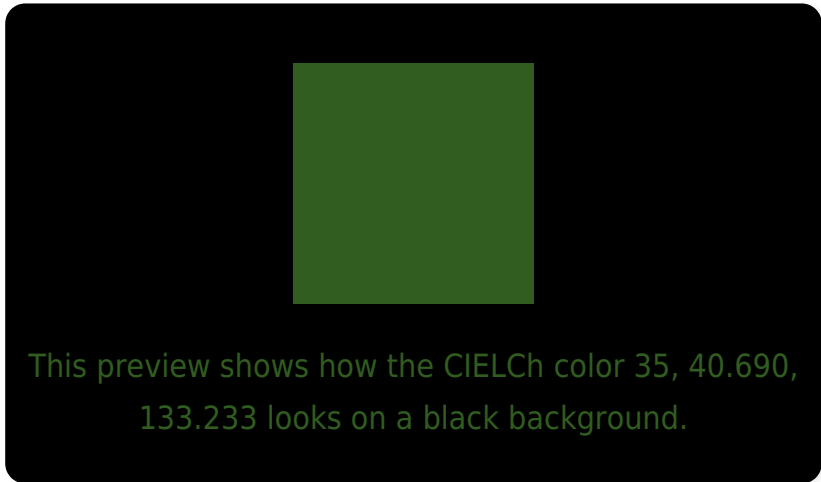
Large Text (above 18pt) WCAG AA ✓ Pass

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

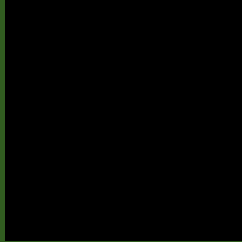
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 40.690, 133.233

Background



This preview shows how black text looks on a background with the CIELCh color 35, 40.690, 133.233.



This preview shows how white text looks on a background with the CIELCh color 35, 40.690, 133.233.

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, 40.690, 133.233

Protanopia

35, 31.812, 95.518

Deuteranopia

35, 28.677, 80.350



Tritanopia
35, 10.910, 221.942

Trichromacy



Original Color
35, 40.690, 133.233

Protanomaly
35, 33.160, 113.202

Deuteranomaly
34, 29.238, 105.119

Tritanomaly
35, 17.827, 158.117

Monochromacy



Original Color
35, 40.690, 133.233

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 15.642, 135.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 40.690, 133.233 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(49, 93, 32)` looks like.

```
.text, #text, p{  
    color:rgb(49, 93, 32)  
}
```

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(49, 93, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 93, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 40.690, 133.233 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(49, 93, 32) }
```

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

```
.border{ border-color:rgb(49, 93, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 93, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 93, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 93, 32);  
box-shadow:4px 4px 4px 4px rgb(49, 93, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 40.690, 133.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 93, 32) }
```

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

```
.background{ background-color: rgb(49, 93,  
32) }
```

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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