

Converting Colors

CIELCh(35, 83.210, 120.323)

Have a look what the booklet for
CIELCh(35, 83.210, 120.323)
contains.

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Color

CIELCh(35, 56.718, 133.564)

Conversions

Conversions Part 1

Format	Color
Hex	166000
RGB	22, 96, 0
RGB Percent	9%, 38%, 0%
CMY	0.9148, 0.6243, 1.0000
CMYK	0.77, 0.00, 1.00, 0.62
HSL	106°, 100%, 19%
HSV	106°, 100%, 38%
XYZ	4.4894, 8.4984, 1.3981
YIQ	62.9300, -13.2880, -45.5440

Conversions

Conversions Part 2

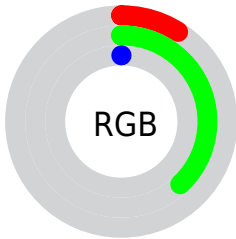
Format	Color
RYB	0, 96, 74
Decimal	1466368
CIELab	35.00, -39.09, 41.10
CIELCh	35, 56.718, 133.564
Yxy	8.4984, 0.3121, 0.5907
Android (android.graphics.Color)	4279656448 (0xFF166000)
YUV	62.9300, -31.0245, -35.8956
Hunter-Lab	29.1520, -23.5271, 17.5630

Details

The CIELCh color **35, 56.718, 133.564** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **17, 57.627, 320.259**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 56.246, 133.648**, and **16, 34.989, 139.605** is the 20% darker color. If you saturate the color by 10%, you get **35, 56.666, 133.600**, and if you desaturate by 10%, it is **35, 53.323, 133.848**.

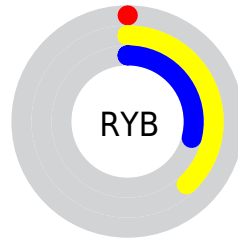
Distribution



Red (9%)

Green (38%)

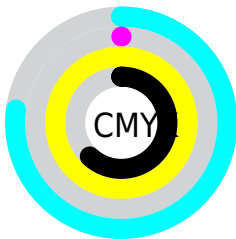
Blue (0%)



Red (0%)

Yellow (38%)

Blue (29%)

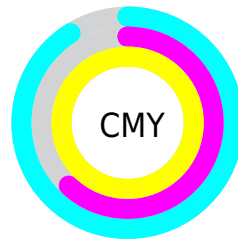


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (91%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 56.718, 133.564 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, 56.718, 133.564 by changing the saturation by 10% instead.


 35, 56.718,
133.564


 35, 56.718,
133.564

 100, 56.718,
133.564


 25, 56.718,
133.564

 55, 56.718,
133.564


 15, 56.718,
133.564


 65, 56.718,
133.564

 5, 56.718, 133.564

 75, 56.718,
133.564

 0, 56.718, 133.564

 85, 56.718,
133.564

 95, 56.718,
133.564

■ 35, 56.718,
133.564

■ 35, 56.718,
133.564

■ 35, 56.666,
133.600

■ 35, 53.323,
133.848

■ 36, 49.499,
133.956

■ 36, 44.683,
134.322

■ 36, 39.124,
134.842

■ 37, 33.051,
135.429

■ 37, 26.645,
136.026

■ 38, 20.046,
136.596

■ 39, 13.356,

137.124

■ 40, 6.654, 137.605

Harmonies

Complementary

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



35, 56.718, 133.564



17, 57.627, 320.259

Rectangle

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



35, 56.718, 133.564



35, 56.718, 183.564



35, 56.718, 313.564



35, 56.718, 3.564

Sweetspot

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



35, 56.666, 133.600



49, 24.937, 136.546



32, 41.400, 86.205



25, 17.137, 136.382



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



35, 56.666, 133.600



46, 68.707, 133.952



35, 51.361, 141.509



20, 3.764, 137.657



41, 63.511, 133.822



83, 111.967, 134.481

Inverse Universe

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



17, 57.627, 320.259



24, 69.632, 320.033



20, 46.609, 341.377



18, 3.786, 318.343



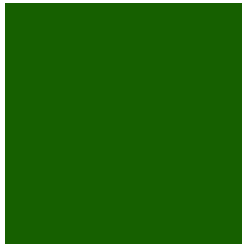
21, 64.448, 320.119



48, 112.903, 319.651

Previews

White Background



This preview shows how the CIELCh color 35, 56.718, 133.564 looks on a white background.

Color Contrast Check

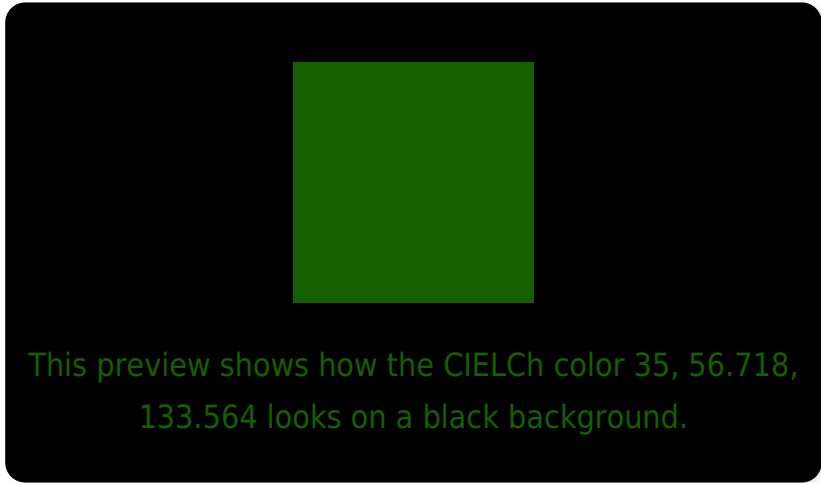
Large Text (above 18pt) WCAG AA ✓ Pass

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

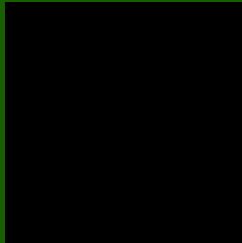
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 56.718, 133.564

Background



This preview shows how black text looks on a background with the CIELCh color 35, 56.718, 133.564.



This preview shows how white text looks on a background with the CIELCh color 35, 56.718, 133.564.

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, 56.718, 133.564

Protanopia

35, 42.916, 95.193

Deuteranopia

35, 36.086, 83.114



Tritanopia
35, 15.687, 213.853

Trichromacy



Original Color
35, 56.718, 133.564

Protanomaly
34, 45.572, 115.414

Deuteranomaly
34, 39.511, 111.567

Tritanomaly
34, 28.430, 154.953

Monochromacy



Original Color
35, 56.718, 133.564

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 25.280, 135.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 56.718, 133.564 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(22, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(22, 96, 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(22, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 96, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 56.718, 133.564 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(22, 96, 0) }
```

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

```
.border{ border-color:rgb(22, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 96, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(22, 96, 0); box-shadow:4px  
4px 4px 4px rgb(22, 96, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 56.718, 133.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 96, 0) }
```

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

```
.background{ background-color: rgb(22, 96,  
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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