

Converting Colors

CIELCh(35, 46.387, 115.632)

Have a look what the booklet for
CIELCh(35, 46.387, 115.632)
contains.

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Color

CIELCh(35, 46.700, 115.640)

Conversions

Conversions Part 1

Format	Color
Hex	455A00
RGB	69, 90, 0
RGB Percent	27%, 35%, 0%
CMY	0.7310, 0.6485, 1.0000
CMYK	0.23, 0.00, 1.00, 0.65
HSL	74°, 100%, 18%
HSV	74°, 100%, 35%
XYZ	6.0484, 8.4984, 1.3101
YIQ	73.4610, 16.3740, -32.4420

Conversions

Conversions Part 2

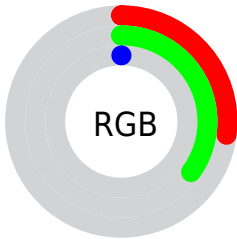
Format	Color
RYB	0, 90, 21
Decimal	4545024
CIELab	35.00, -20.21, 42.10
CIElCh	35, 46.700, 115.640
Yxy	8.4984, 0.3814, 0.5359
Android (android.graphics.Color)	4282735104 (0xFF455A00)
YUV	73.4610, -36.2163, -3.9123
Hunter-Lab	29.1520, -13.9813, 17.7419

Details

The CIELCh color **35, 46.700, 115.640** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **8, 60.669, 308.172**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 46.665, 115.815**, and **15, 28.565, 130.383** is the 20% darker color. If you saturate the color by 10%, you get **35, 46.576, 115.693**, and if you desaturate by 10%, it is **35, 43.690, 115.566**.

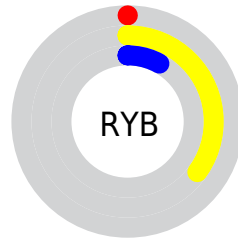
Distribution



Red (27%)

Green (35%)

Blue (0%)



Red (0%)

Yellow (35%)

Blue (8%)

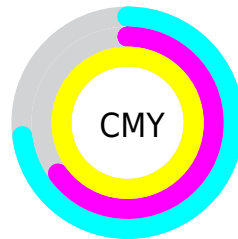


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (73%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 46.700, 115.640 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, 46.700, 115.640 by changing the saturation by 10% instead.


 35, 46.700,
115.640


 35, 46.700,
115.640

 100, 46.700,
115.640


 25, 46.700,
115.640

 55, 46.700,
115.640

 15, 46.700,
115.640

 65, 46.700,
115.640

 5, 46.700, 115.640

 75, 46.700,
115.640

 0, 46.700, 115.640

 85, 46.700,
115.640

 95, 46.700,
115.640

■ 35, 46.700,
115.640

■ 35, 46.700,
115.640

■ 35, 46.576,
115.693

■ 35, 43.690,
115.566

■ 35, 40.618,
115.441

■ 36, 36.718,
115.588

■ 36, 32.200,
115.929

■ 36, 27.258,
116.399

■ 37, 22.036,
116.946

■ 37, 16.639,
117.533

■ 37, 11.136,

118.135

■ 38, 5.577, 118.735

Harmonies

Complementary

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



35, 46.700, 115.640



8, 60.669, 308.172

Rectangle

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



35, 46.700, 115.640



35, 46.700, 165.640



35, 46.700, 295.640



35, 46.700, 345.640

Sweetspot

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



35, 46.576, 115.693



48, 20.760, 117.474



19, 41.492, 42.920



24, 13.999, 117.319



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 46.576, 115.693



46, 56.388, 116.078



33, 53.577, 132.814



19, 3.187, 118.803



43, 53.722, 115.989



87, 95.051, 116.759

Inverse Universe

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



8, 60.669, 308.172



13, 73.594, 307.893



15, 55.324, 319.055



17, 3.244, 299.856



12, 70.084, 307.955



32, 124.396, 307.458

Previews

White Background



This preview shows how the CIELCh color 35, 46.700, 115.640 looks on a white background.

Color Contrast Check

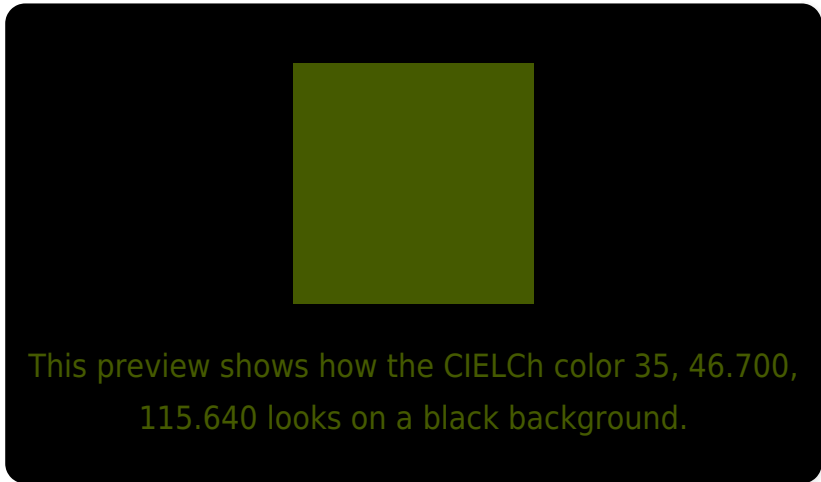
Large Text (above 18pt) WCAG AA ✓ Pass

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

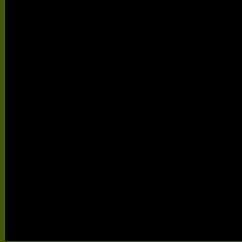
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 46.700, 115.640

Background



This preview shows how black text looks on a background with the CIELCh color 35, 46.700, 115.640.



This preview shows how white text looks on a background with the CIELCh color 35, 46.700, 115.640.

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, 46.700, 115.640

Protanopia

35, 43.191, 95.955

Deuteranopia

35, 38.300, 83.100



Tritanopia
35, 5.154, 257.405

Trichromacy



Original Color
35, 46.700, 115.640

Protanomaly
35, 43.571, 103.526

Deuteranomaly
35, 39.534, 96.627

Tritanomaly
34, 18.110, 125.054

Monochromacy



Original Color
35, 46.700, 115.640

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 20.735, 117.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 46.700, 115.640 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(69, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 90, 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(69, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 90, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 46.700, 115.640 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(69, 90, 0) }
```

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

```
.border{ border-color:rgb(69, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 90, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 90, 0); box-shadow:4px  
4px 4px 4px rgb(69, 90, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 46.700, 115.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 90, 0) }
```

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

```
.background{ background-color: rgb(69, 90,  
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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