

Converting Colors

CIELCh(35, 49.910, 130.545)

Have a look what the booklet for
CIELCh(35, 49.910, 130.545)
contains.

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Color

CIELCh(35, 50.016, 130.463)

Conversions

Conversions Part 1

Format	Color
Hex	2A5E0B
RGB	42, 94, 11
RGB Percent	16%, 37%, 4%
CMY	0.8358, 0.6318, 0.9574
CMYK	0.55, 0.00, 0.88, 0.63
HSL	98°, 79%, 21%
HSV	98°, 88%, 37%
XYZ	5.0018, 8.4984, 1.6888
YIQ	68.9900, -4.3490, -36.8370

Conversions

Conversions Part 2

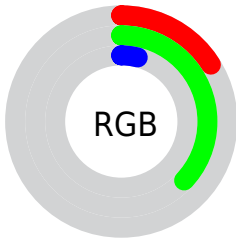
Format	Color
RYB	11, 94, 63
Decimal	2776587
CIELab	35.00, -32.46, 38.05
CIELCh	35, 50.016, 130.463
Yxy	8.4984, 0.3293, 0.5595
Android (android.graphics.Color)	4280966667 (0xFF2A5E0B)
YUV	68.9900, -28.5891, -23.6702
Hunter-Lab	29.1520, -20.3897, 16.9716

Details

The CIELCh color **35, 50.016, 130.463** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 53.668, 315.973**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 50.066, 130.370**, and **16, 34.389, 139.895** is the 20% darker color. If you saturate the color by 10%, you get **35, 53.400, 130.628**, and if you desaturate by 10%, it is **35, 46.114, 130.324**.

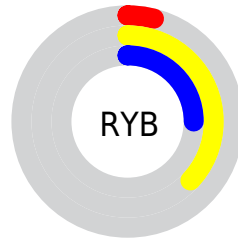
Distribution



Red (16%)

Green (37%)

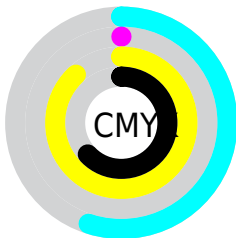
Blue (4%)



Red (4%)

Yellow (37%)

Blue (25%)

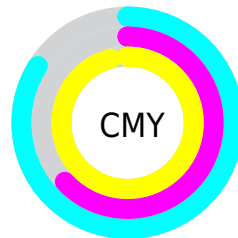


Cyan (55%)

Magenta (0%)

Yellow (88%)

Black (63%)



Cyan (84%)


Magenta (63%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 50.016, 130.463 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, 50.016, 130.463 by changing the saturation by 10% instead.


 35, 50.016,
130.463


 35, 50.016,
130.463

 100, 50.016,
130.463

 25, 50.016,
130.463

 55, 50.016,
130.463


 15, 50.016,
130.463


 65, 50.016,
130.463

 5, 50.016, 130.463

 75, 50.016,
130.463

 0, 50.016, 130.463

 85, 50.016,
130.463

 95, 50.016,
130.463

■ 35, 50.016,
130.463

■ 35, 50.016,
130.463

■ 35, 53.400,
130.628

■ 35, 46.114,
130.324

■ 35, 53.947,
130.614

■ 36, 41.356,
130.470

■ 36, 35.976,
130.799

■ 37, 30.175,
131.226

■ 37, 24.108,
131.693

■ 38, 17.888,
132.165

■ 38, 11.596,
132.619

■ 39, 5.292, 133.049

Harmonies

Complementary

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



35, 50.016, 130.463



16, 53.668, 315.973

Rectangle

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



35, 50.016, 130.463



35, 50.016, 180.463



35, 50.016, 310.463



35, 50.016, 0.463

Sweetspot

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



35, 50.016, 130.464



49, 21.128, 132.192



29, 35.558, 74.973



24, 14.099, 132.095



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, 50.016, 130.464



45, 65.418, 131.086



34, 51.295, 139.153



18, 3.449, 133.033



40, 60.357, 130.904



83, 107.527, 131.843

Inverse Universe

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



16, 53.668, 315.973



20, 70.380, 315.522



21, 48.531, 332.548



17, 3.481, 313.680



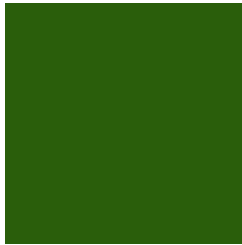
17, 65.011, 315.647



42, 115.129, 314.980

Previews

White Background



This preview shows how the CIELCh color 35, 50.016, 130.463 looks on a white background.

Color Contrast Check

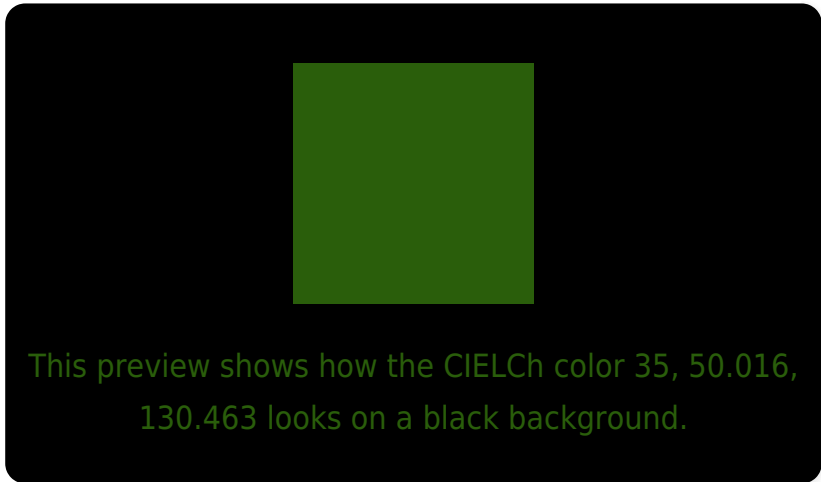
Large Text (above 18pt) WCAG AA ✓ Pass

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

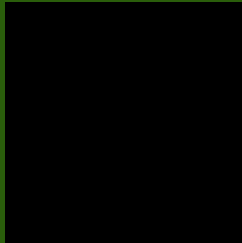
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 50.016, 130.463

Background



This preview shows how black text looks on a background with the CIELCh color 35, 50.016, 130.463.



This preview shows how white text looks on a background with the CIELCh color 35, 50.016, 130.463.

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, 50.016, 130.463

Protanopia

35, 40.925, 95.169

Deuteranopia

35, 35.657, 82.949



Tritanopia
35, 12.110, 219.333

Trichromacy



Original Color
35, 50.016, 130.463

Protanomaly
34, 41.910, 111.511

Deuteranomaly
34, 37.267, 106.157

Tritanomaly
35, 23.039, 152.096

Monochromacy



Original Color
35, 50.016, 130.463

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 20.740, 131.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 50.016, 130.463 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(42, 94, 11)` looks like.

```
.text, #text, p{  
    color:rgb(42, 94, 11)  
}
```

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(42, 94, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 94, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 50.016, 130.463 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(42, 94, 11) }
```

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

```
.border{ border-color:rgb(42, 94, 11) }
```

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

Here you see how a box with a 4 pixel rgb(42, 94, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 94, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 94, 11);  
box-shadow:4px 4px 4px 4px rgb(42, 94, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 50.016, 130.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 94, 11) }
```

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

```
.background{ background-color: rgb(42, 94,  
11) }
```

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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