

Converting Colors

CIELCh(35, 52.439, 127.508)

Have a look what the booklet for
CIELCh(35, 52.439, 127.508)
contains.

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Color

CIELCh(35, 52.371, 127.642)

Conversions

Conversions Part 1

Format	Color
Hex	2D5E00
RGB	45, 94, 0
RGB Percent	18%, 37%, 0%
CMY	0.8249, 0.6326, 1.0000
CMYK	0.52, 0.00, 1.00, 0.63
HSL	91°, 100%, 18%
HSV	91°, 100%, 37%
XYZ	5.0398, 8.4984, 1.3651
YIQ	68.6330, 0.9700, -39.6220

Conversions

Conversions Part 2

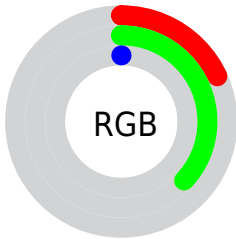
Format	Color
RYB	0, 94, 49
Decimal	2973184
CIELab	35.00, -31.98, 41.47
CIElCh	35, 52.371, 127.642
Yxy	8.4984, 0.3382, 0.5702
Android (android.graphics.Color)	4281163264 (0xFF2D5E00)
YUV	68.6330, -33.8361, -20.7261
Hunter-Lab	29.1520, -20.1568, 17.6301

Details

The CIELCh color **35, 52.371, 127.642** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 59.305, 313.193**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 52.547, 127.580**, and **16, 34.389, 139.895** is the 20% darker color. If you saturate the color by 10%, you get **35, 52.277, 127.700**, and if you desaturate by 10%, it is **35, 48.941, 127.444**.

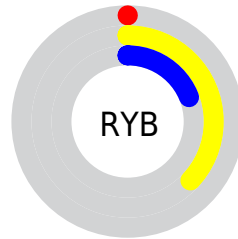
Distribution



Red (18%)

Green (37%)

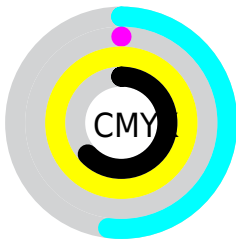
Blue (0%)



Red (0%)

Yellow (37%)

Blue (19%)

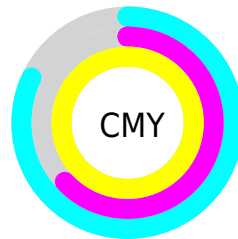


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (63%)



Cyan (82%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 52.371, 127.642 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, 52.371, 127.642 by changing the saturation by 10% instead.


 35, 52.371,
127.642

 35, 52.371,
127.642

 100, 52.371,
127.642


 25, 52.371,
127.642

 55, 52.371,
127.642


 15, 52.371,
127.642


 65, 52.371,
127.642

 5, 52.371, 127.642

 75, 52.371,
127.642

 0, 52.371, 127.642

 85, 52.371,
127.642

 95, 52.371,
127.642

■ 35, 52.371,
127.642

■ 35, 52.371,
127.642

■ 35, 52.277,
127.700

■ 35, 48.941,
127.444

■ 36, 45.315,
127.136

■ 36, 40.827,
127.146

■ 36, 35.703,
127.374

■ 37, 30.147,
127.732

■ 37, 24.312,
128.156

■ 38, 18.310,
128.605

■ 38, 12.221,

129.054

■ 39, 6.103, 129.489

Harmonies

Complementary

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



35, 52.371, 127.642



12, 59.305, 313.193

Rectangle

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



35, 52.371, 127.642



35, 52.371, 177.642



35, 52.371, 307.642



35, 52.371, 357.642

Sweetspot

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



35, 52.277, 127.700



49, 22.812, 128.563



25, 39.393, 64.040



24, 15.404, 128.439



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, 52.277, 127.700



46, 63.473, 128.214



34, 57.174, 136.314



19, 3.361, 129.540



41, 58.569, 128.017



84, 104.304, 129.051

Inverse Universe

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



12, 59.305, 313.193



18, 71.864, 312.842



21, 54.891, 328.861



17, 3.400, 310.221



15, 66.361, 312.977



39, 117.715, 312.262

Previews

White Background



This preview shows how the CIELCh color 35, 52.371, 127.642 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 CIE LCh color 35, 52.371, 127.642 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, 52.371, 127.642

Background



This preview shows how black text looks on a background with the CIELCh color 35, 52.371, 127.642.



This preview shows how white text looks on a background with the CIELCh color 35, 52.371, 127.642.

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, 52.371, 127.642

Protanopia
35, 42.916, 95.193

Deuteranopia
35, 36.918, 83.418



Tritanopia
35, 11.515, 220.558

Trichromacy



Original Color
35, 52.371, 127.642

Protanomaly
34, 44.347, 110.048

Deuteranomaly
34, 39.416, 104.947

Tritanomaly
34, 23.742, 147.338

Monochromacy



Original Color
35, 52.371, 127.642

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 22.628, 127.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 52.371, 127.642 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(45, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 94, 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(45, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 94, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 52.371, 127.642 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(45, 94, 0) }
```

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

```
.border{ border-color:rgb(45, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 94, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 94, 0); box-shadow:4px  
4px 4px 4px rgb(45, 94, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 52.371, 127.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 94, 0) }
```

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

```
.background{ background-color: rgb(45, 94,  
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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