

Converting Colors

CIELCh(35, 75.457, 118.488)

Have a look what the booklet for
CIELCh(35, 75.457, 118.488)
contains.

CIELCh(35, 53.520, 129.090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 53.520, 129.090)

Conversions

Conversions Part 1

Format	Color
Hex	285E00
RGB	40, 94, 0
RGB Percent	16%, 37%, 0%
CMY	0.8426, 0.6305, 1.0000
CMYK	0.57, 0.00, 1.00, 0.63
HSL	94°, 100%, 18%
HSV	94°, 100%, 37%
XYZ	4.8993, 8.4984, 1.3589
YIQ	67.1380, -2.0100, -40.6820

Conversions

Conversions Part 2

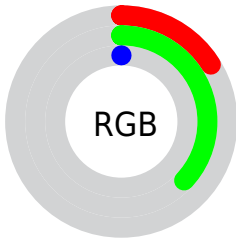
Format	Color
RYB	0, 94, 54
Decimal	2645504
CIELab	35.00, -33.75, 41.54
CIELCh	35, 53.520, 129.090
Yxy	8.4984, 0.3320, 0.5759
Android (android.graphics.Color)	4280835584 (0xFF285E00)
YUV	67.1380, -33.0990, -23.8000
Hunter-Lab	29.1520, -21.0171, 17.6427

Details

The CIELCh color **35, 53.520, 129.090** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **13, 58.954, 314.437**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 53.226, 129.049**, and **16, 34.389, 139.895** is the 20% darker color. If you saturate the color by 10%, you get **35, 53.295, 129.231**, and if you desaturate by 10%, it is **35, 49.912, 129.035**.

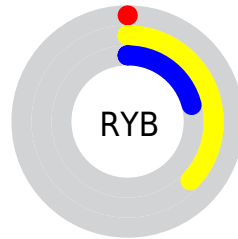
Distribution



Red (16%)

Green (37%)

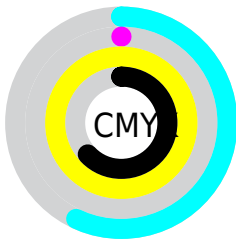
Blue (0%)



Red (0%)

Yellow (37%)

Blue (21%)

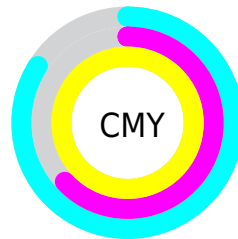


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (63%)



Cyan (84%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 53.520, 129.090 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, 53.520, 129.090 by changing the saturation by 10% instead.


 35, 53.520,
129.090


 35, 53.520,
129.090

 100, 53.520,
129.090


 25, 53.520,
129.090

 55, 53.520,
129.090


 15, 53.520,
129.090


 65, 53.520,
129.090

 5, 53.520, 129.090

 75, 53.520,
129.090

 0, 53.520, 129.090

 85, 53.520,
129.090

 95, 53.520,
129.090

■ 35, 53.520,
129.090

■ 35, 53.520,
129.090

■ 35, 53.295,
129.231

■ 35, 49.912,
129.035

■ 36, 46.208,
128.771

■ 36, 41.626,
128.819

■ 36, 36.396,
129.077

■ 37, 30.724,
129.456

■ 37, 24.770,
129.895

■ 38, 18.648,
130.351

■ 39, 12.441,

130.800

■ 39, 6.209, 131.231

Harmonies

Complementary

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



35, 53.520, 129.090



13, 58.954, 314.437

Rectangle

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



35, 53.520, 129.090



35, 53.520, 179.090



35, 53.520, 309.090



35, 53.520, 359.090

Sweetspot

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



35, 53.295, 129.231



49, 23.123, 130.309



27, 39.442, 68.535



24, 15.616, 130.185



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, 53.295, 129.231



45, 64.454, 129.719



34, 56.217, 137.178



18, 3.403, 131.281



41, 59.469, 129.529



84, 105.944, 130.526

Inverse Universe

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



13, 58.954, 314.437



19, 71.119, 314.104



20, 53.124, 330.883



17, 3.438, 311.940



16, 65.683, 314.235



40, 116.421, 313.535

Previews

White Background



This preview shows how the CIELCh color 35, 53.520, 129.090 looks on a white background.

Color Contrast Check

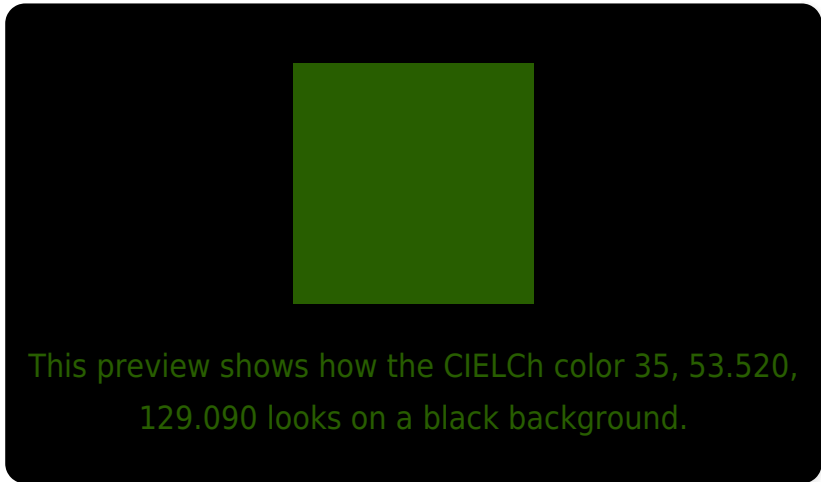
Large Text (above 18pt) WCAG AA ✓ Pass

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

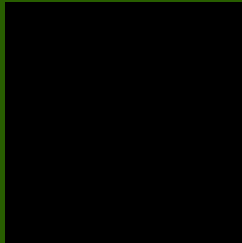
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 53.520, 129.090

Background



This preview shows how black text looks on a background with the CIELCh color 35, 53.520, 129.090.



This preview shows how white text looks on a background with the CIELCh color 35, 53.520, 129.090.

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, 53.208, 129.240

Protanopia

35, 42.916, 95.193

Deuteranopia

35, 36.507, 83.270



Tritanopia
35, 12.692, 218.212

Trichromacy



Original Color
35, 53.208, 129.240

Protanomaly
34, 44.424, 110.679

Deuteranomaly
34, 39.130, 106.496

Tritanomaly
35, 25.181, 148.831

Monochromacy



Original Color
35, 53.208, 129.240

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 23.184, 130.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 53.520, 129.090 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(40, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 94, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 53.520, 129.090 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(40, 94, 0) }
```

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

```
.border{ border-color:rgb(40, 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(40, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 94, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(40, 94, 0); box-shadow:4px  
4px 4px 4px rgb(40, 94, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 53.520, 129.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 94, 0) }
```

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

```
.background{ background-color: rgb(40, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor