

Converting Colors

CIELCh(35, 50.289, 124.955)

Have a look what the booklet for
CIELCh(35, 50.289, 124.955)
contains.

CIELCh(35, 50.409, 124.999)	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, 50.409, 124.999)

Conversions

Conversions Part 1

Format	Color
Hex	345D01
RGB	52, 93, 1
RGB Percent	20%, 36%, 0%
CMY	0.7973, 0.6365, 0.9974
CMYK	0.44, 0.00, 0.99, 0.64
HSL	87°, 99%, 18%
HSV	87°, 99%, 36%
XYZ	5.2911, 8.4984, 1.3807
YIQ	70.2530, 5.0960, -37.3040

Conversions

Conversions Part 2

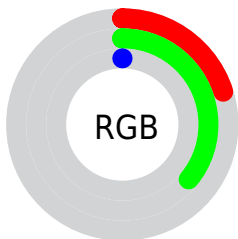
Format	Color
R_{YB}	1, 93, 42
Decimal	3431681
CIE Lab	35.00, -28.91, 41.29
CIE LCh	35, 50.409, 124.999
Yxy	8.4984, 0.3488, 0.5602
Android (android.graphics.Color)	4281621761 (0xFF345D01)
YUV	70.2530, -34.1417, -16.0079
Hunter-Lab	29.1520, -18.6180, 17.5984

Details

The CIELCh color **35, 50.409, 124.999** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 59.403, 311.461**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 50.589, 125.222**, and **15, 33.785, 140.203** is the 20% darker color. If you saturate the color by 10%, you get **35, 50.653, 125.010**, and if you desaturate by 10%, it is **35, 47.198, 124.677**.

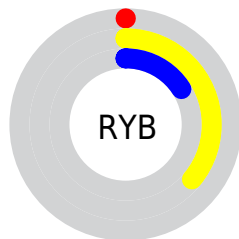
Distribution



Red (20%)

Green (36%)

Blue (0%)



Red (0%)

Yellow (36%)

Blue (16%)

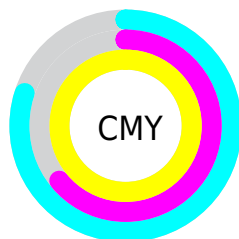


Cyan (44%)

Magenta (0%)

Yellow (99%)

Black (64%)



Cyan (80%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 50.409, 124.999 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, 50.409, 124.999 by changing the saturation by 10% instead.


 35, 50.409,
124.999


 35, 50.409,
124.999

 100, 50.409,
124.999

 25, 50.409,
124.999

 55, 50.409,
124.999


 15, 50.409,
124.999


 65, 50.409,
124.999

 5, 50.409, 124.999

 75, 50.409,
124.999

 0, 50.409, 124.999

 85, 50.409,
124.999

 95, 50.409,
124.999

■ 35, 50.409,
124.999

■ 35, 50.409,
124.999

■ 35, 50.653,
125.010

■ 35, 47.198,
124.677

■ 36, 43.649,
124.370

■ 36, 39.269,
124.379

■ 36, 34.280,
124.602

■ 37, 28.878,
124.958

■ 37, 23.209,
125.386

■ 38, 17.380,
125.844

■ 38, 11.464,

126.307

■ 39, 5.513, 126.762

Harmonies

Complementary

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



35, 50.409, 124.999



11, 59.403, 311.461

Rectangle

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



35, 50.409, 124.999



35, 50.409, 174.999



35, 50.409, 304.999



35, 50.409, 354.999

Sweetspot

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



35, 50.409, 125.000



48, 21.995, 125.768



23, 39.443, 56.961



24, 15.108, 125.638



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, 50.409, 125.000



45, 60.983, 125.510



34, 56.456, 135.468



19, 3.303, 126.783



41, 57.158, 125.350



85, 101.675, 126.394

Inverse Universe

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



11, 59.403, 311.461



16, 71.918, 311.154



19, 55.143, 325.791



17, 3.348, 307.524



14, 67.426, 311.263



36, 119.713, 310.559

Previews

White Background



This preview shows how the CIELCh color 35, 50.409, 124.999 looks on a white background.

Color Contrast Check

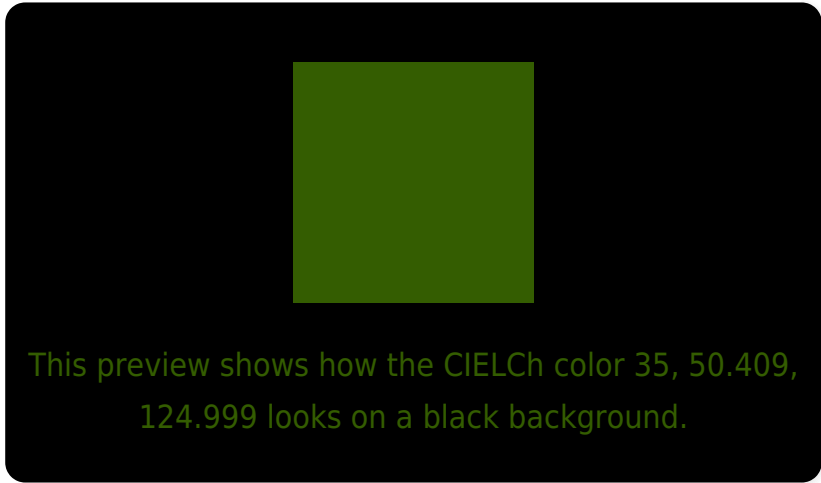
Large Text (above 18pt) WCAG AA ✓ Pass

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

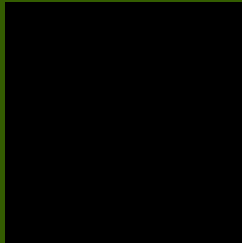
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 50.409, 124.999

Background



This preview shows how black text looks on a background with the CIELCh color 35, 50.409, 124.999.



This preview shows how white text looks on a background with the CIELCh color 35, 50.409, 124.999.

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](#).

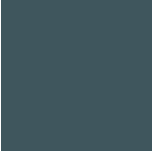
Dichromacy



Original Color
35, 50.409, 124.999

Protanopia
35, 42.916, 95.193

Deuteranopia
35, 36.918, 83.418



Tritanopia
35, 9.690, 225.338

Trichromacy



Original Color
35, 50.409, 124.999

Protanomaly
35, 44.152, 108.126

Deuteranomaly
34, 38.997, 102.726

Tritanomaly
34, 22.046, 142.319

Monochromacy



Original Color
35, 50.409, 124.999

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 21.688, 125.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 50.409, 124.999 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(52, 93, 1)` looks like.

```
.text, #text, p{  
    color:rgb(52, 93, 1)  
}
```

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(52, 93, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 93, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 50.409, 124.999 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(52, 93, 1) }
```

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

```
.border{ border-color:rgb(52, 93, 1) }
```

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

Here you see how a box with a 4 pixel rgb(52, 93, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 93, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 93, 1); box-shadow:4px  
4px 4px 4px rgb(52, 93, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 50.409, 124.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 93, 1) }
```

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

```
.background{ background-color: rgb(52, 93,  
1) }
```

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