

Converting Colors

CIELCh(34, 50.624, 126.317)

Have a look what the booklet for
CIELCh(34, 50.624, 126.317)
contains.

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Color

CIELCh(34, 50.580, 126.320)

Conversions

Conversions Part 1

Format	Color
Hex	2F5B00
RGB	47, 91, 0
RGB Percent	18%, 36%, 0%
CMY	0.8173, 0.6447, 1.0000
CMYK	0.49, 0.00, 1.00, 0.64
HSL	89°, 100%, 18%
HSV	89°, 100%, 36%
XYZ	4.8582, 8.0082, 1.2781
YIQ	67.4700, 2.9870, -37.6290

Conversions

Conversions Part 2

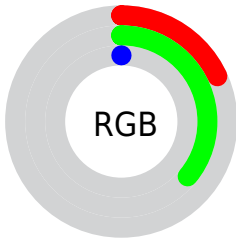
Format	Color
RYB	0, 91, 44
Decimal	3103488
CIELab	34.00, -29.96, 40.75
CIElCh	34, 50.580, 126.320
Yxy	8.0082, 0.3435, 0.5662
Android (android.graphics.Color)	4281293568 (0xFF2F5B00)
YUV	67.4700, -33.2627, -17.9522
Hunter-Lab	28.2988, -18.8790, 17.1313

Details

The CIELCh color $34, 50.580, 126.320$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $11, 58.356, 312.386$, and the grayscale version is $29, 0.004, 296.813$.

A 20% lighter version of the original color is $54, 50.688, 126.650$, and $14, 32.564, 140.877$ is the 20% darker color. If you saturate the color by 10%, you get $34, 50.461, 126.392$, and if you desaturate by 10%, it is $34, 47.166, 126.152$.

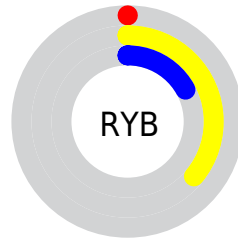
Distribution



Red (18%)

Green (36%)

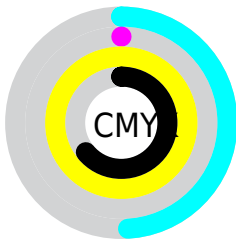
Blue (0%)



Red (0%)

Yellow (36%)

Blue (17%)

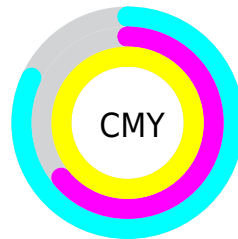


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (64%)



Cyan (82%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 50.580, 126.320 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 34, 50.580, 126.320 by changing the saturation by 10% instead.


 34, 50.580,
126.320


 34, 50.580,
126.320

 100, 50.580,
126.320


 24, 50.580,
126.320

 54, 50.580,
126.320


 14, 50.580,
126.320


 64, 50.580,
126.320

 4, 50.580, 126.320

 74, 50.580,
126.320

 0, 50.580, 126.320

 84, 50.580,
126.320

 94, 50.580,
126.320

■ 34, 50.580,
126.320

■ 34, 50.580,
126.320

■ 34, 50.461,
126.392

■ 34, 47.166,
126.152

■ 35, 43.654,
125.841

■ 35, 39.324,
125.843

■ 35, 34.388,
126.062

■ 36, 29.038,
126.412

■ 36, 23.421,
126.832

■ 37, 17.644,
127.281

■ 37, 11.781,

127.733

■ 38, 5.885, 128.173

Harmonies

Complementary

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



34, 50.580, 126.320



11, 58.356, 312.386

Rectangle

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



34, 50.580, 126.320



34, 50.580, 176.320



34, 50.580, 306.320



34, 50.580, 356.320

Sweetspot

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



34, 50.461, 126.392



47, 21.821, 127.238



24, 38.424, 61.094



23, 14.724, 127.120



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 50.461, 126.392



44, 60.806, 126.908



33, 56.147, 135.858



19, 3.332, 128.224



41, 57.890, 126.785



84, 103.047, 127.830

Inverse Universe

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



11, 58.356, 312.386



16, 70.218, 312.033



20, 54.327, 327.619



17, 3.374, 308.930



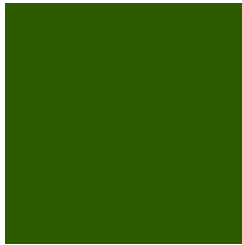
15, 66.873, 312.118



37, 118.681, 311.403

Previews

White Background



This preview shows how the CIE LCh color 34, 50.580, 126.320 looks on a white background.

Color Contrast Check

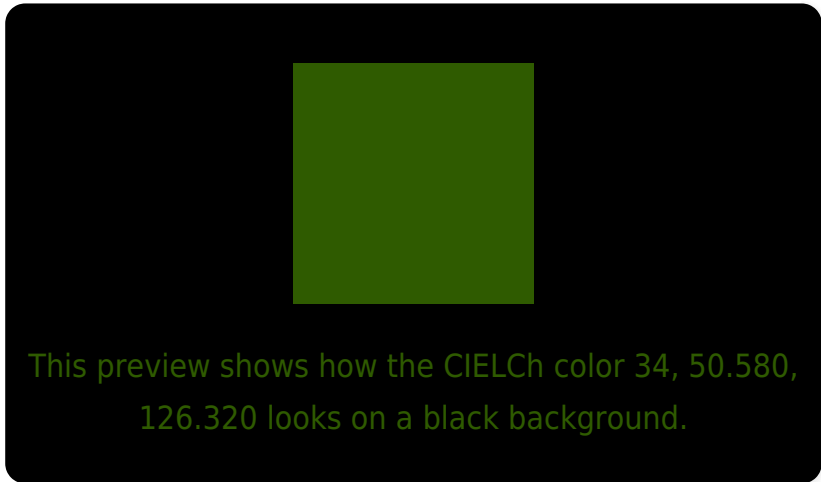
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 50.580, 126.320

Background



This preview shows how black text looks on a background with the CIELCh color 34, 50.580, 126.320.



This preview shows how white text looks on a background with the CIELCh color 34, 50.580, 126.320.

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

34, 50.580, 126.320

Protanopia

34, 42.142, 95.736

Deuteranopia

34, 36.506, 83.052



Tritanopia
34, 10.627, 222.786

Trichromacy



Original Color
34, 50.580, 126.320

Protanomaly
34, 43.580, 109.542

Deuteranomaly
33, 38.499, 103.453

Tritanomaly
33, 22.366, 145.462

Monochromacy



Original Color
34, 50.580, 126.320

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 21.937, 126.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 50.580, 126.320 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(47, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 91, 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(47, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 91, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 50.580, 126.320 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(47, 91, 0) }
```

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

```
.border{ border-color:rgb(47, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 91, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 91, 0); box-shadow:4px  
4px 4px 4px rgb(47, 91, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 50.580, 126.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 91, 0) }
```

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

```
.background{ background-color: rgb(47, 91,  
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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