

Converting Colors

CIELCh(34, 49.656, 125.756)

Have a look what the booklet for
CIELCh(34, 49.656, 125.756)
contains.

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Color

CIELCh(34, 49.452, 125.482)

Conversions

Conversions Part 1

Format	Color
Hex	315A01
RGB	49, 90, 1
RGB Percent	19%, 35%, 0%
CMY	0.8070, 0.6462, 0.9952
CMYK	0.45, 0.00, 0.99, 0.65
HSL	88°, 97%, 18%
HSV	88°, 99%, 35%
XYZ	4.9573, 8.0082, 1.3195
YIQ	67.5950, 4.1330, -36.3710

Conversions

Conversions Part 2

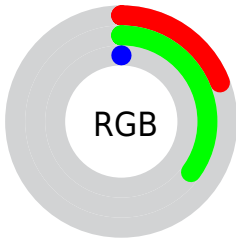
Format	Color
R_{YB}	1, 90, 42
Decimal	3234305
CIE _{Lab}	34.00, -28.70, 40.27
CIE _{LCh}	34, 49.452, 125.482
Yxy	8.0082, 0.3470, 0.5606
Android (android.graphics.Color)	4281424385 (0xFF315A01)
YUV	67.5950, -32.8313, -16.3078
Hunter-Lab	28.2988, -18.2535, 17.0447

Details

The CIELCh color $34, 49.452, 125.482$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $11, 57.765, 311.785$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 49.233, 125.407$, and $14, 32.564, 140.877$ is the 20% darker color. If you saturate the color by 10%, you get $34, 49.912, 125.496$, and if you desaturate by 10%, it is $34, 46.230, 125.185$.

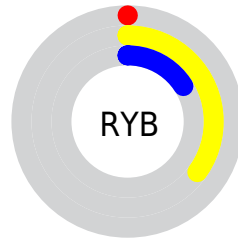
Distribution



Red (19%)

Green (35%)

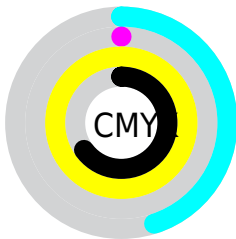
Blue (0%)



Red (0%)

Yellow (35%)

Blue (16%)

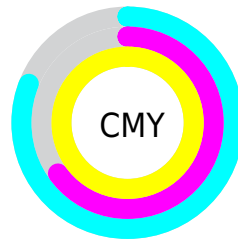


Cyan (45%)

Magenta (0%)

Yellow (99%)

Black (65%)



Cyan (81%)

Magenta (65%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 49.452, 125.482 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, 49.452, 125.482 by changing the saturation by 10% instead.

 34, 49.452,
125.482

 34, 49.452,
125.482

 100, 49.452,
125.482

 24, 49.452,
125.482

 54, 49.452,
125.482

 14, 49.452,
125.482

 64, 49.452,
125.482

 4, 49.452, 125.482

 74, 49.452,
125.482

 0, 49.452, 125.482

 84, 49.452,
125.482

 94, 49.452,
125.482

■ 34, 49.452,
125.482

■ 34, 49.452,
125.482

■ 34, 49.912,
125.496

■ 34, 46.230,
125.185

■ 35, 42.651,
124.914

■ 35, 38.281,
124.946

■ 35, 33.336,
125.184

■ 36, 28.003,
125.546

■ 36, 22.421,
125.973

■ 37, 16.690,
126.428

■ 37, 10.879,

126.884

■ 38, 5.039, 127.331

Harmonies

Complementary

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



34, 49.452, 125.482



11, 57.765, 311.785

Rectangle

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



34, 49.452, 125.482



34, 49.452, 175.482



34, 49.452, 305.482



34, 49.452, 355.482

Sweetspot

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



34, 49.452, 125.483



47, 21.687, 126.321



23, 38.079, 58.410



23, 14.633, 126.202



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, 49.452, 125.483



44, 60.320, 126.020



33, 55.296, 135.669



19, 3.313, 127.322



41, 57.430, 125.897



85, 102.187, 126.944

Inverse Universe

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



11, 57.765, 311.785



16, 70.585, 311.489



19, 53.873, 326.393



17, 3.357, 308.050



14, 67.221, 311.573



37, 119.330, 310.864

Previews

White Background



This preview shows how the CIELCh color 34, 49.452, 125.482 looks on a white background.

Color Contrast Check

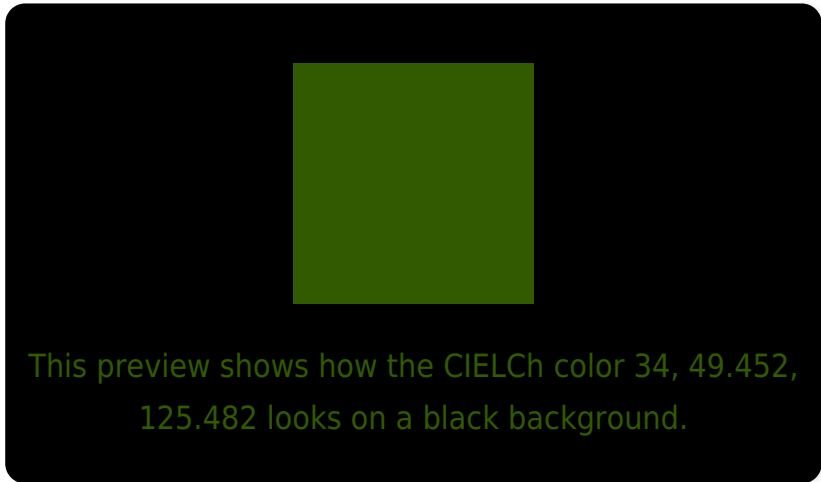
Large Text (above 18pt) WCAG AA ✓ Pass

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

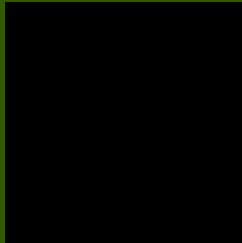
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 49.452, 125.482

Background



This preview shows how black text looks on a background with the CIELCh color 34, 49.452, 125.482.



This preview shows how white text looks on a background with the CIELCh color 34, 49.452, 125.482.

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, 49.452, 125.482

Protanopia

34, 42.142, 95.736

Deuteranopia

34, 36.506, 83.052



Tritanopia
34, 10.015, 224.464

Trichromacy



Original Color
34, 49.452, 125.482

Protanomaly
34, 43.514, 108.889

Deuteranomaly
33, 38.174, 102.736

Tritanomaly
34, 21.866, 143.965

Monochromacy



Original Color
34, 49.452, 125.482

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 21.204, 126.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 49.452, 125.482 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(49, 90, 1)` looks like.

```
.text, #text, p{  
    color:rgb(49, 90, 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(49, 90, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 90, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 49.452, 125.482 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(49, 90, 1) }
```

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

```
.border{ border-color:rgb(49, 90, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 90, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 90, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 90, 1); box-shadow:4px  
4px 4px 4px rgb(49, 90, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 49.452, 125.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 90, 1) }
```

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

```
.background{ background-color: rgb(49, 90,  
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](#).

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