

Converting Colors

CIELCh(36, 51.822, 120.367)

Have a look what the booklet for
CIELCh(36, 51.822, 120.367)
contains.

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Color

CIELCh(36, 49.700, 121.235)

Conversions

Conversions Part 1

Format	Color
Hex	3D5E00
RGB	61, 94, 0
RGB Percent	24%, 37%, 0%
CMY	0.7606, 0.6312, 0.9998
CMYK	0.35, 0.00, 1.00, 0.63
HSL	81°, 100%, 18%
HSV	81°, 100%, 37%
XYZ	5.9351, 9.0082, 1.4275
YIQ	73.4170, 10.5060, -36.2300

Conversions

Conversions Part 2

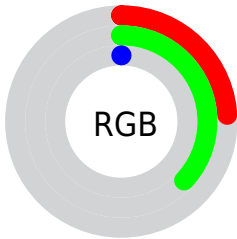
Format	Color
RYB	0, 94, 33
Decimal	4021760
CIELab	36.00, -25.77, 42.50
CIELCh	36, 49.700, 121.235
Yxy	9.0082, 0.3625, 0.5503
Android (android.graphics.Color)	4282211840 (0xFF3D5E00)
YUV	73.4170, -36.1946, -10.8897
Hunter-Lab	30.0136, -17.2258, 18.1896

Details

The CIELCh color **36, 49.700, 121.235** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **10, 61.498, 309.728**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 49.835, 121.553**, and **16, 32.886, 136.724** is the 20% darker color. If you saturate the color by 10%, you get **36, 49.720, 121.238**, and if you desaturate by 10%, it is **36, 46.637, 120.923**.

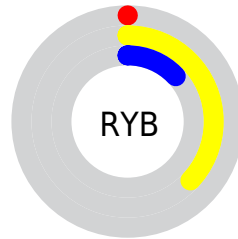
Distribution



Red (24%)

Green (37%)

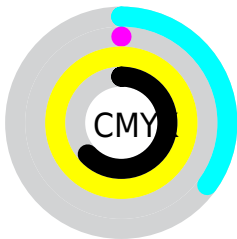
Blue (0%)



Red (0%)

Yellow (37%)

Blue (13%)

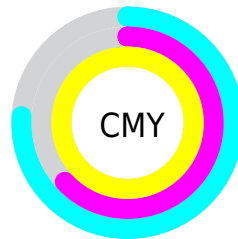


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (63%)



Cyan (76%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 49.700, 121.235 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 36, 49.700, 121.235 by changing the saturation by 10% instead.


 36, 49.700,
121.235

 36, 49.700,
121.235

 100, 49.700,
121.235


 26, 49.700,
121.235

 56, 49.700,
121.235

 16, 49.700,
121.235


 66, 49.700,
121.235

 6, 49.700, 121.235

 76, 49.700,
121.235

 0, 49.700, 121.235

 86, 49.700,
121.235

 96, 49.700,
121.235

■ 36, 49.700,
121.235

■ 36, 49.700,
121.235

■ 36, 49.720,
121.238

■ 36, 46.637,
120.923

■ 37, 43.293,
120.625

■ 37, 39.083,
120.641

■ 37, 34.233,
120.878

■ 38, 28.945,
121.256

■ 38, 23.372,
121.714

■ 38, 17.622,
122.213

■ 39, 11.770,

122.723

■ 39, 5.870, 123.230

Harmonies

Complementary

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



36, 49.700, 121.235



10, 61.498, 309.728

Rectangle

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



36, 49.700, 121.235



36, 49.700, 171.235



36, 49.700, 301.235



36, 49.700, 351.235

Sweetspot

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



36, 49.700, 121.236



49, 21.925, 122.162



22, 41.384, 50.493



25, 14.798, 122.025



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



36, 49.700, 121.236



47, 60.099, 121.705



34, 56.640, 134.608



19, 3.243, 123.287



42, 55.491, 121.522



86, 98.495, 122.501

Inverse Universe

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



10, 61.498, 309.728



15, 74.415, 309.412



18, 56.314, 322.847



17, 3.294, 304.141



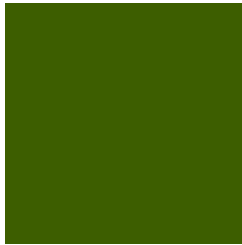
13, 68.698, 309.536



34, 122.025, 308.896

Previews

White Background



This preview shows how the CIELCh color 36, 49.700, 121.235 looks on a white background.

Color Contrast Check

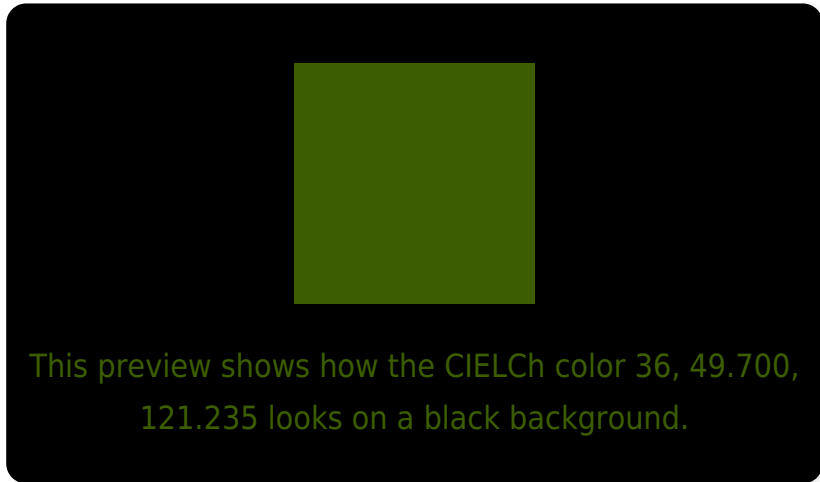
Large Text (above 18pt) WCAG AA ✓ Pass

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

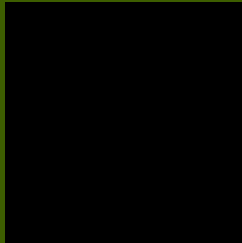
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 49.700, 121.235

Background



This preview shows how black text looks on a background with the CIELCh color 36, 49.700, 121.235.



This preview shows how white text looks on a background with the CIELCh color 36, 49.700, 121.235.

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](#).

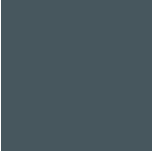
Dichromacy



Original Color
36, 49.700, 121.235

Protanopia
36, 43.888, 96.093

Deuteranopia
36, 38.548, 82.622



Tritanopia
36, 7.527, 234.204

Trichromacy



Original Color
36, 49.700, 121.235

Protanomaly
36, 44.713, 106.104

Deuteranomaly
35, 40.214, 99.747

Tritanomaly
36, 21.096, 136.236

Monochromacy



Original Color
36, 49.700, 121.235

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 22.265, 121.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 49.700, 121.235 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(61, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 94, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 49.700, 121.235 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(61, 94, 0) }
```

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

```
.border{ border-color:rgb(61, 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(61, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 94, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 94, 0); box-shadow:4px  
4px 4px 4px rgb(61, 94, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 49.700, 121.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 94, 0) }
```

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

```
.background{ background-color: rgb(61, 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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