

Converting Colors

CIELCh(36, 50.279, 141.201)

Have a look what the booklet for
CIELCh(36, 50.279, 141.201)
contains.

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Color

CIELCh(36, 50.718, 141.028)

Conversions

Conversions Part 1

Format	Color
Hex	0C631D
RGB	12, 99, 29
RGB Percent	5%, 39%, 11%
CMY	0.9523, 0.6134, 0.8879
CMYK	0.88, 0.00, 0.71, 0.61
HSL	131°, 78%, 22%
HSV	131°, 88%, 39%
XYZ	4.7916, 9.0082, 2.6223
YIQ	65.0070, -29.3820, -40.2140

Conversions

Conversions Part 2

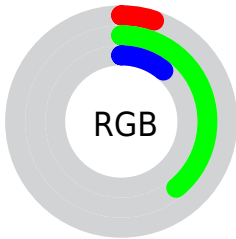
Format	Color
RYB	12, 85, 99
Decimal	811805
CIELab	36.00, -39.43, 31.90
CIELCh	36, 50.718, 141.028
Yxy	9.0082, 0.2918, 0.5485
Android (android.graphics.Color)	4279001885 (0xFF0C631D)
YUV	65.0070, -17.7515, -46.4871
Hunter-Lab	30.0136, -24.0268, 15.8294

Details

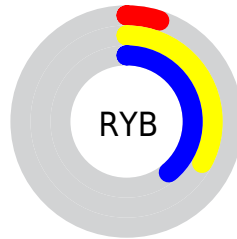
The CIELCh color **36, 50.718, 141.028** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 47.654, 335.926**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 50.798, 141.373**, and **17, 36.761, 138.832** is the 20% darker color. If you saturate the color by 10%, you get **36, 54.247, 139.665**, and if you desaturate by 10%, it is **36, 46.523, 142.530**.

Distribution



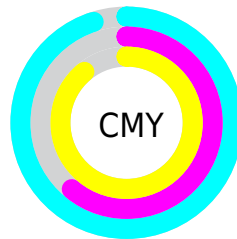
- Red (5%)
- Green (39%)
- Blue (11%)



- Red (5%)
- Yellow (33%)
- Blue (39%)



- Cyan (88%)
- Magenta (0%)
- Yellow (71%)
- Black (61%)





- Cyan (95%)
- Magenta (61%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 50.718, 141.028 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, 50.718, 141.028 by changing the saturation by 10% instead.


 36, 50.718,
141.028


 36, 50.718,
141.028

 100, 50.718,
141.028


 26, 50.718,
141.028

 56, 50.718,
141.028


 16, 50.718,
141.028


 66, 50.718,
141.028

 6, 50.718, 141.028

 76, 50.718,
141.028

 0, 50.718, 141.028

 86, 50.718,
141.028

 96, 50.718,
141.028

■ 36, 50.718,
141.028

■ 36, 50.718,
141.028

■ 36, 54.247,
139.665

■ 36, 46.523,
142.530

■ 36, 54.999,
139.419

■ 37, 41.645,
143.948

■ 37, 36.207,
145.243

■ 38, 30.338,
146.399

■ 38, 24.165,
147.416

■ 39, 17.804,
148.305

■ 40, 11.356,
149.082

■ 41, 4.905, 149.773

Harmonies

Complementary

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



36, 50.718, 141.028



22, 47.654, 335.926

Rectangle

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



36, 50.718, 141.028



36, 50.718, 191.028



36, 50.718, 321.028



36, 50.718, 11.028

Sweetspot

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



36, 50.718, 141.028



50, 20.671, 148.381



39, 45.871, 113.011



25, 13.887, 148.192



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 50.718, 141.028



46, 66.860, 138.895



37, 32.482, 164.155



19, 3.538, 149.693



41, 60.665, 139.136



83, 108.691, 138.100

Inverse Universe

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



22, 47.654, 335.926



28, 59.891, 337.222



20, 39.231, 11.044



18, 3.549, 330.666



24, 54.754, 337.077



54, 94.899, 337.756

Previews

White Background



This preview shows how the CIELCh color 36, 50.718, 141.028 looks on a white background.

Color Contrast Check

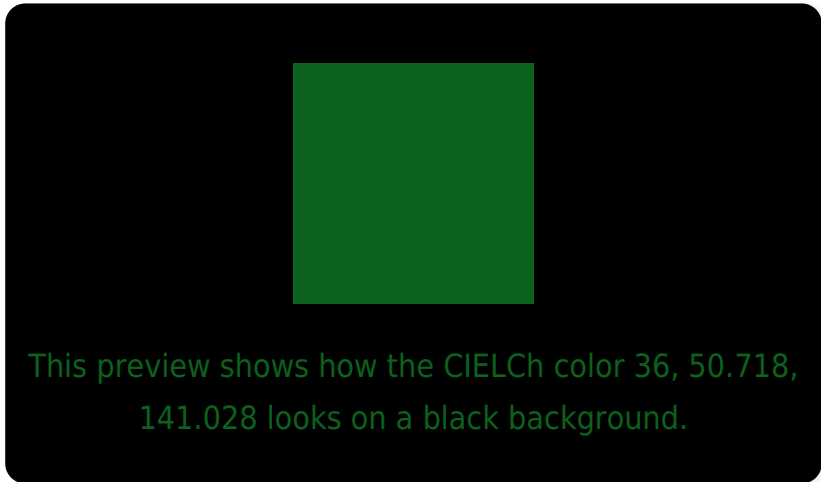
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.718, 141.028

Background



This preview shows how black text looks on a background with the CIELCh color 36, 50.718, 141.028.



This preview shows how white text looks on a background with the CIELCh color 36, 50.718, 141.028.

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, 50.801, 141.132

Protanopia

36, 35.117, 95.962

Deuteranopia

36, 30.357, 80.598



Tritanopia
36, 17.179, 212.181

Trichromacy



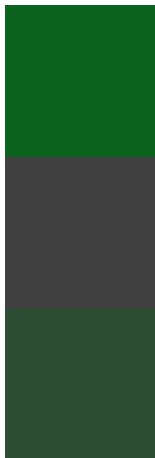
Original Color
36, 50.801, 141.132

Protanomaly
35, 38.618, 122.234

Deuteranomaly
35, 32.759, 118.546

Tritanomaly
36, 26.435, 166.433

Monochromacy



Original Color
36, 50.801, 141.132

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 20.984, 147.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 50.718, 141.028 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(12, 99, 29)` looks like.

```
.text, #text, p{  
    color:rgb(12, 99, 29)  
}
```

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(12, 99, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 99, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 50.718, 141.028 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(12, 99, 29) }
```

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

```
.border{ border-color:rgb(12, 99, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 99, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 99, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 99, 29);  
box-shadow:4px 4px 4px 4px rgb(12, 99, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 50.718, 141.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 99, 29) }
```

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

```
.background{ background-color: rgb(12, 99,  
29) }
```

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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