

Converting Colors

CIELCh(36, 42.344, 151.282)

Have a look what the booklet for
CIELCh(36, 42.344, 151.282)
contains.

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Color

CIELCh(36, 42.394, 151.191)

Conversions

Conversions Part 1

Format	Color
Hex	006232
RGB	0, 98, 50
RGB Percent	0%, 38%, 20%
CMY	0.9984, 0.6149, 0.8032
CMYK	1.00, 0.00, 0.49, 0.61
HSL	151°, 99%, 19%
HSV	151°, 100%, 39%
XYZ	4.9715, 9.0082, 4.5152
YIQ	63.2260, -43.0000, -35.7040

Conversions

Conversions Part 2

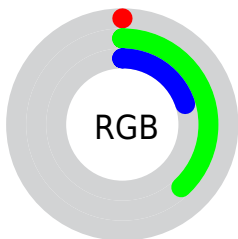
Format	Color
RYB	0, 65, 98
Decimal	25138
CIELab	36.00, -37.15, 20.43
CIELCh	36, 42.394, 151.191
Yxy	9.0082, 0.2688, 0.4871
Android (android.graphics.Color)	4278215218 (0xFF006232)
YUV	63.2260, -6.5204, -55.4492
Hunter-Lab	30.0136, -22.9566, 12.0901

Details

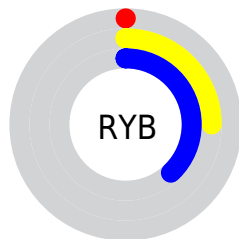
The CIELCh color **36, 42.394, 151.191** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 42.191, 359.927**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 42.532, 150.975**, and **17, 34.738, 140.450** is the 20% darker color. If you saturate the color by 10%, you get **36, 42.514, 151.123**, and if you desaturate by 10%, it is **36, 39.459, 152.999**.

Distribution



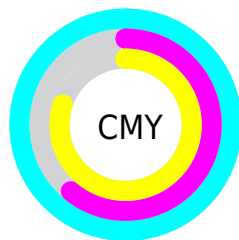
- Red (0%)
- Green (38%)
- Blue (20%)



- Red (0%)
- Yellow (25%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 42.394, 151.191 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, 42.394, 151.191 by changing the saturation by 10% instead.


 36, 42.394,
151.191


 36, 42.394,
151.191

 100, 42.394,
151.191


 26, 42.394,
151.191

 56, 42.394,
151.191


 16, 42.394,
151.191


 66, 42.394,
151.191

 6, 42.394, 151.191

 76, 42.394,
151.191

 0, 42.394, 151.191

 86, 42.394,
151.191

 96, 42.394,
151.191

■ 36, 42.394,
151.191

■ 36, 42.394,
151.191

■ 36, 42.514,
151.123

■ 36, 39.459,
152.999

■ 36, 36.298,
154.860

■ 37, 32.699,
156.534

■ 37, 28.695,
158.028

■ 38, 24.339,
159.357

■ 38, 19.703,
160.541

■ 39, 14.861,
161.600

■ 40, 9.887, 162.556

Harmonies

Complementary

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



36, 42.394, 151.191



19, 42.191, 359.927

Rectangle

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



36, 42.394, 151.191



36, 42.394, 201.191



36, 42.394, 331.191



36, 42.394, 21.191

Sweetspot

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



36, 42.394, 151.191



50, 18.656, 161.469



37, 53.551, 127.035



25, 12.589, 161.176



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, 42.394, 151.191



47, 51.938, 150.388



37, 24.869, 196.390



20, 2.801, 163.502



41, 47.074, 150.727



84, 84.890, 149.192

Inverse Universe

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



19, 42.191, 359.927



26, 50.751, 1.372



18, 48.715, 35.408



18, 2.835, 344.778



23, 46.370, 0.751



52, 80.686, 3.660

Previews

White Background



This preview shows how the CIELCh color 36, 42.394, 151.191 looks on a white background.

Color Contrast Check

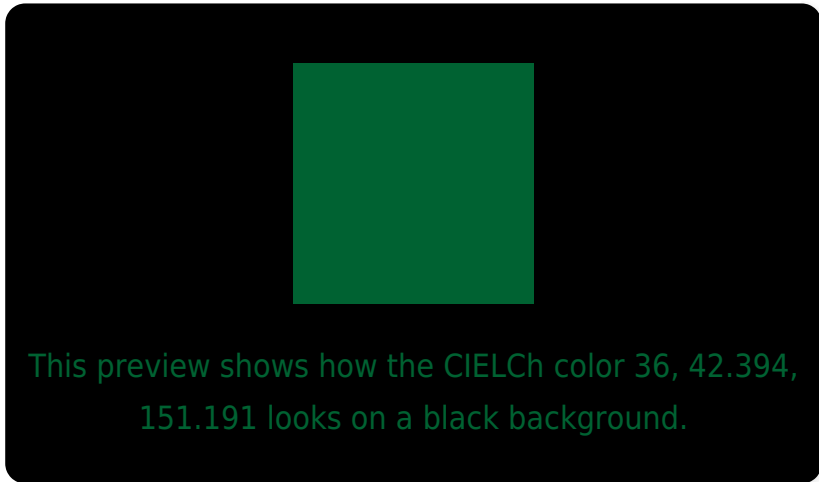
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.394, 151.191

Background



This preview shows how black text looks on a background with the CIELCh color 36, 42.394, 151.191.



This preview shows how white text looks on a background with the CIELCh color 36, 42.394, 151.191.

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, 42.394, 151.191

Protanopia
36, 24.556, 96.838

Deuteranopia
36, 19.757, 76.046



Tritanopia
36, 18.517, 210.927

Trichromacy



Original Color
36, 42.394, 151.191

Protanomaly
35, 29.590, 134.124

Deuteranomaly
34, 23.151, 132.341

Tritanomaly
36, 25.001, 177.274

Monochromacy



Original Color
36, 42.394, 151.191

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 19.058, 159.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 42.394, 151.191 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(0, 98, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 50)  
}
```

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(0, 98, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 42.394, 151.191 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(0, 98, 50) }
```

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

```
.border{ border-color:rgb(0, 98, 50) }
```

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

Here you see how a box with a 4 pixel rgb(0, 98, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 98, 50); box-shadow:4px  
4px 4px 4px rgb(0, 98, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 42.394, 151.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 50) }
```

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

```
.background{ background-color: rgb(0, 98,  
50) }
```

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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