

Converting Colors

CIELCh(36, 35.055, 157.868)

Have a look what the booklet for
CIELCh(36, 35.055, 157.868)
contains.

CIELCh(36, 35.219, 157.527)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 35.219, 157.527)

Conversions

Conversions Part 1

Format	Color
Hex	0F613E
RGB	15, 97, 62
RGB Percent	6%, 38%, 24%
CMY	0.9409, 0.6194, 0.7567
CMYK	0.84, 0.00, 0.36, 0.62
HSL	154°, 73%, 22%
HSV	154°, 84%, 38%
XYZ	5.3477, 9.0082, 6.0202
YIQ	68.4920, -37.6370, -28.2690

Conversions

Conversions Part 2

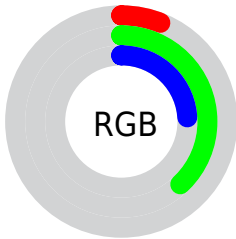
Format	Color
R_{YB}	15, 67, 97
Decimal	1007934
CIE _{Lab}	36.00, -32.54, 13.46
CIE _{LCh}	36, 35.219, 157.527
Yxy	9.0082, 0.2625, 0.4421
Android (android.graphics.Color)	4279198014 (0xFF0F613E)
YUV	68.4920, -3.2006, -46.9125
Hunter-Lab	30.0136, -20.7191, 9.1170

Details

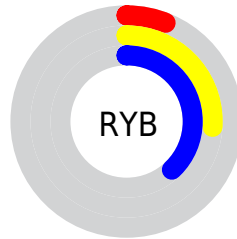
The CIELCh color **36, 35.219, 157.527** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 38.145, 0.619**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 34.875, 157.871**, and **17, 28.235, 148.543** is the 20% darker color. If you saturate the color by 10%, you get **36, 37.909, 155.642**, and if you desaturate by 10%, it is **36, 32.157, 159.280**.

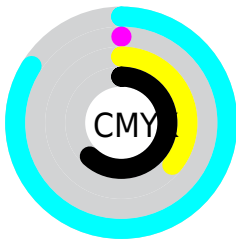
Distribution



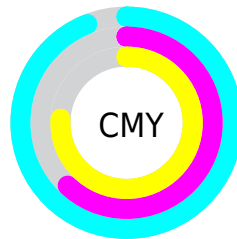
- Red (6%)
- Green (38%)
- Blue (24%)



- Red (6%)
- Yellow (26%)
- Blue (38%)



- Cyan (84%)
- Magenta (0%)
- Yellow (36%)
- Black (62%)





- Cyan (94%)
- Magenta (62%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 35.219, 157.527 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, 35.219, 157.527 by changing the saturation by 10% instead.


 36, 35.219,
157.527


 36, 35.219,
157.527


 100, 35.219,
157.527


 26, 35.219,
157.527

 56, 35.219,
157.527


 16, 35.219,
157.527


 66, 35.219,
157.527

 6, 35.219, 157.527

 76, 35.219,
157.527

 0, 35.219, 157.527

 86, 35.219,
157.527

 96, 35.219,
157.527

■ 36, 35.219,
157.527

■ 36, 35.219,
157.527

■ 36, 37.909,
155.642

■ 36, 32.157,
159.280

■ 36, 39.377,
154.684

■ 37, 28.680,
160.852

■ 37, 24.827,
162.257

■ 38, 20.655,
163.514

■ 38, 16.231,
164.644

■ 39, 11.626,
165.668

■ 40, 6.907, 166.609

■ 41, 2.131, 167.540

Harmonies

Complementary

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



36, 35.219, 157.527



21, 38.145, 0.619

Rectangle

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



36, 35.219, 157.527



36, 35.219, 207.527



36, 35.219, 337.527



36, 35.219, 27.527

Sweetspot

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



36, 35.219, 157.527



50, 14.615, 165.544



37, 48.993, 128.628



25, 10.030, 165.302



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, 35.219, 157.527



46, 47.748, 153.963



35, 21.712, 205.885



20, 2.678, 167.115



41, 43.973, 154.251



84, 79.147, 152.712

Inverse Universe

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



21, 38.145, 0.619



26, 49.774, 7.219



20, 41.505, 35.582



18, 2.719, 348.451



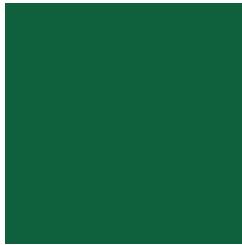
23, 46.083, 6.609



51, 80.720, 9.955

Previews

White Background



This preview shows how the CIELCh color 36, 35.219, 157.527 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



This preview shows how the CIELCh color 36, 35.219, 157.527 looks on a 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, 35.219, 157.527

Background



This preview shows how black text looks on a background with the CIELCh color 36, 35.219, 157.527.



This preview shows how white text looks on a background with the CIELCh color 36, 35.219, 157.527.

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, 35.219, 157.527

Protanopia

36, 17.043, 94.388

Deuteranopia

36, 12.666, 66.735



Tritanopia
36, 18.306, 213.193

Trichromacy



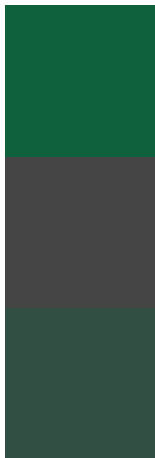
Original Color
36, 35.219, 157.527

Protanomaly
35, 21.580, 138.079

Deuteranomaly
35, 16.053, 139.415

Tritanomaly
36, 22.447, 183.624

Monochromacy



Original Color
36, 35.219, 157.527

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 15.117, 164.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 35.219, 157.527 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(15, 97, 62)` looks like.

```
.text, #text, p{  
    color:rgb(15, 97, 62)  
}
```

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(15, 97, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 97, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 35.219, 157.527 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(15, 97, 62) }
```

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

```
.border{ border-color:rgb(15, 97, 62) }
```

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

Here you see how a box with a 4 pixel rgb(15, 97, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 97, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 97, 62);  
box-shadow:4px 4px 4px 4px rgb(15, 97, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 35.219, 157.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 97, 62) }
```

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

```
.background{ background-color: rgb(15, 97,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor