

Converting Colors

CIELCh(36, 50.988, 142.975)

Have a look what the booklet for
CIELCh(36, 50.988, 142.975)
contains.

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Color

CIELCh(36, 50.939, 142.877)

Conversions

Conversions Part 1

Format	Color
Hex	00631F
RGB	0, 99, 31
RGB Percent	0%, 39%, 12%
CMY	1.0000, 0.6120, 0.8787
CMYK	1.00, 0.00, 0.69, 0.61
HSL	139°, 100%, 19%
HSV	139°, 100%, 39%
XYZ	4.7000, 9.0082, 2.7828
YIQ	61.6470, -37.1760, -42.1360

Conversions

Conversions Part 2

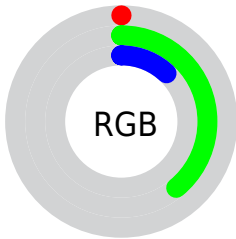
Format	Color
RYB	0, 75, 99
Decimal	25375
CIELab	36.00, -40.62, 30.74
CIELCh	36, 50.939, 142.877
Yxy	9.0082, 0.2850, 0.5462
Android (android.graphics.Color)	4278215455 (0xFF00631F)
YUV	61.6470, -15.1090, -54.0644
Hunter-Lab	30.0136, -24.5717, 15.5123

Details

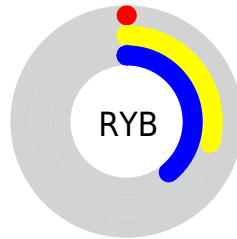
The CIELCh color **36, 50.939, 142.877** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 46.262, 344.493**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 51.112, 142.692**, and **17, 36.761, 138.832** is the 20% darker color. If you saturate the color by 10%, you get **36, 50.929, 142.865**, and if you desaturate by 10%, it is **36, 47.438, 144.457**.

Distribution



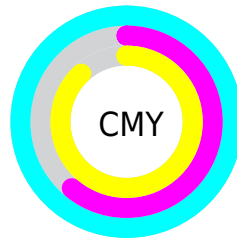
- Red (0%)
- Green (39%)
- Blue (12%)



- Red (0%)
- Yellow (29%)
- Blue (39%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 50.939, 142.877 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, 50.939, 142.877 by changing the saturation by 10% instead.


 36, 50.939,
142.877


 36, 50.939,
142.877

 100, 50.939,
142.877


 26, 50.939,
142.877

 56, 50.939,
142.877


 16, 50.939,
142.877


 66, 50.939,
142.877

 6, 50.939, 142.877

 76, 50.939,
142.877

 0, 50.939, 142.877

 86, 50.939,
142.877

 96, 50.939,
142.877

■ 36, 50.939,
142.877

■ 36, 50.939,
142.877

■ 36, 50.929,
142.865

■ 36, 47.438,
144.457

■ 36, 43.573,
146.193

■ 37, 39.162,
147.782

■ 37, 34.274,
149.207

■ 38, 28.995,
150.468

■ 38, 23.423,
151.577

■ 39, 17.655,
152.551

■ 40, 11.779,

153.409

■ 41, 5.871, 154.176

Harmonies

Complementary

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



36, 50.939, 142.877



20, 46.262, 344.493

Rectangle

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



36, 50.939, 142.877



36, 50.939, 192.877



36, 50.939, 322.877



36, 50.939, 12.877

Sweetspot

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



36, 50.929, 142.865



50, 21.744, 152.472



38, 50.787, 119.031



25, 14.690, 152.206



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, 50.929, 142.865



46, 61.883, 142.227



37, 30.600, 172.030



20, 3.235, 154.260



41, 56.085, 142.529



83, 101.095, 141.188

Inverse Universe

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



20, 46.262, 344.493



27, 55.109, 345.114



19, 45.079, 25.766



18, 3.252, 335.334



24, 50.418, 344.815



53, 87.112, 346.221

Previews

White Background



This preview shows how the CIELCh color 36, 50.939, 142.877 looks on a white background.

Color Contrast Check

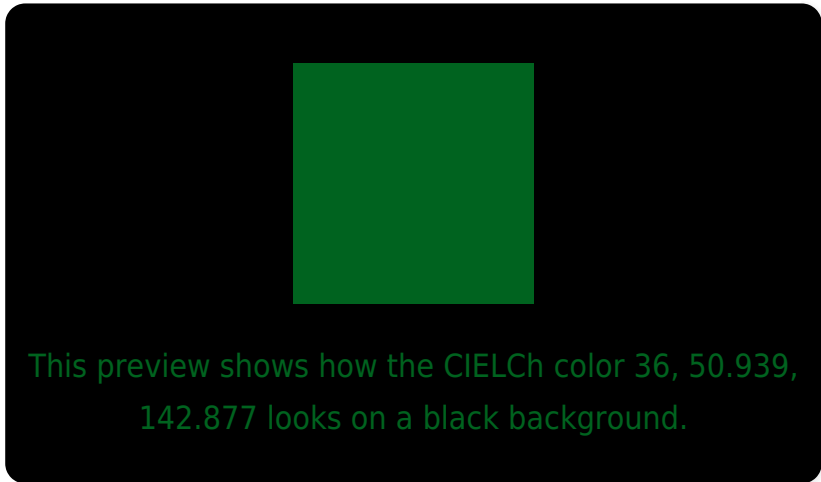
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.939, 142.877

Background



This preview shows how black text looks on a background with the CIELCh color 36, 50.939, 142.877.



This preview shows how white text looks on a background with the CIELCh color 36, 50.939, 142.877.

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, 50.939, 142.877

Protanopia
36, 34.191, 95.910

Deuteranopia
36, 29.559, 81.234



Tritanopia
36, 17.669, 213.852

Trichromacy



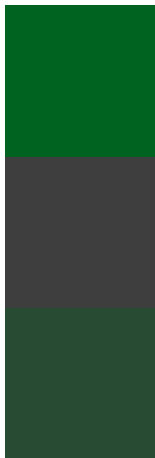
Original Color
36, 50.939, 142.877

Protanomaly
35, 38.571, 125.787

Deuteranomaly
35, 32.920, 122.690

Tritanomaly
36, 27.314, 168.856

Monochromacy



Original Color
36, 50.939, 142.877

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 21.868, 151.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 50.939, 142.877 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, 99, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 31)  
}
```

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, 99, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 50.939, 142.877 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, 99, 31) }
```

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

```
.border{ border-color:rgb(0, 99, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 99, 31); box-shadow:4px  
4px 4px 4px rgb(0, 99, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 50.939, 142.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 31) }
```

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

```
.background{ background-color: rgb(0, 99,  
31) }
```

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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