

Converting Colors

CIELCh(36, 58.901, 136.224)

Have a look what the booklet for
CIELCh(36, 58.901, 136.224)
contains.

CIELCh(36, 58.832, 136.174)	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, 58.832, 136.174)

Conversions

Conversions Part 1

Format	Color
Hex	056303
RGB	5, 99, 3
RGB Percent	2%, 39%, 1%
CMY	0.9821, 0.6108, 0.9871
CMYK	0.95, 0.00, 0.97, 0.61
HSL	119°, 94%, 20%
HSV	119°, 97%, 39%
XYZ	4.5609, 9.0082, 1.5930
YIQ	59.9500, -25.2080, -49.7840

Conversions

Conversions Part 2

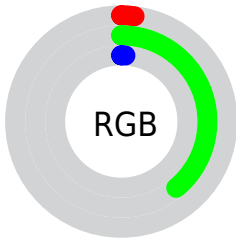
Format	Color
R_{YB}	3, 99, 97
Decimal	353027
CIE _{Lab}	36.00, -42.44, 40.74
CIE _{LCh}	36, 58.832, 136.174
Yxy	9.0082, 0.3008, 0.5941
Android (android.graphics.Color)	4278543107 (0xFF056303)
YUV	59.9500, -28.0763, -48.1911
Hunter-Lab	30.0136, -25.3988, 17.8626

Details

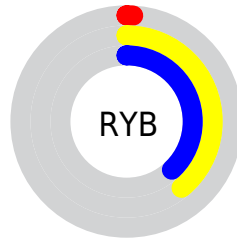
The CIELCh color **36, 58.832, 136.174** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **22, 57.017, 327.702**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 58.906, 136.112**, and **17, 36.761, 138.832** is the 20% darker color. If you saturate the color by 10%, you get **36, 59.867, 135.903**, and if you desaturate by 10%, it is **36, 55.806, 136.904**.

Distribution



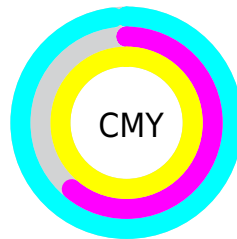
- Red (2%)
- Green (39%)
- Blue (1%)



- Red (1%)
- Yellow (39%)
- Blue (38%)



- Cyan (95%)
- Magenta (0%)
- Yellow (97%)
- Black (61%)




- Cyan (98%)
- Magenta (61%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 58.832, 136.174 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, 58.832, 136.174 by changing the saturation by 10% instead.


 36, 58.832,
136.174


 36, 58.832,
136.174

 100, 58.832,
136.174


 26, 58.832,
136.174

 56, 58.832,
136.174

 16, 58.832,
136.174


 66, 58.832,
136.174

 6, 58.832, 136.174

 76, 58.832,
136.174

 0, 58.832, 136.174

 86, 58.832,
136.174

 96, 58.832,
136.174

■ 36, 58.832,
136.174

■ 36, 58.832,
136.174

■ 36, 59.867,
135.903

■ 36, 55.806,
136.904

■ 36, 51.790,
137.757

■ 37, 46.641,
138.752

■ 37, 40.624,
139.779

■ 38, 33.985,
140.763

■ 39, 26.935,
141.662

■ 39, 19.648,
142.460

■ 40, 12.261,

143.158

■ 41, 4.879, 143.774

Harmonies

Complementary

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



36, 58.832, 136.174



22, 57.017, 327.702

Rectangle

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



36, 58.832, 136.174



36, 58.832, 186.174



36, 58.832, 316.174



36, 58.832, 6.174

Sweetspot

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



36, 58.832, 136.175



51, 26.664, 142.216



40, 47.067, 102.006



26, 18.424, 141.969



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 58.832, 136.175



47, 72.597, 135.933



36, 42.968, 150.367



19, 4.026, 143.644



41, 65.294, 135.918



83, 114.235, 135.977

Inverse Universe

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



22, 57.017, 327.702



30, 70.162, 327.729



20, 42.193, 356.982



18, 4.033, 324.515



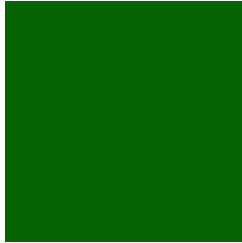
25, 63.116, 327.737



56, 110.340, 327.706

Previews

White Background



This preview shows how the CIELCh color 36, 58.832, 136.174 looks on a white background.

Color Contrast Check

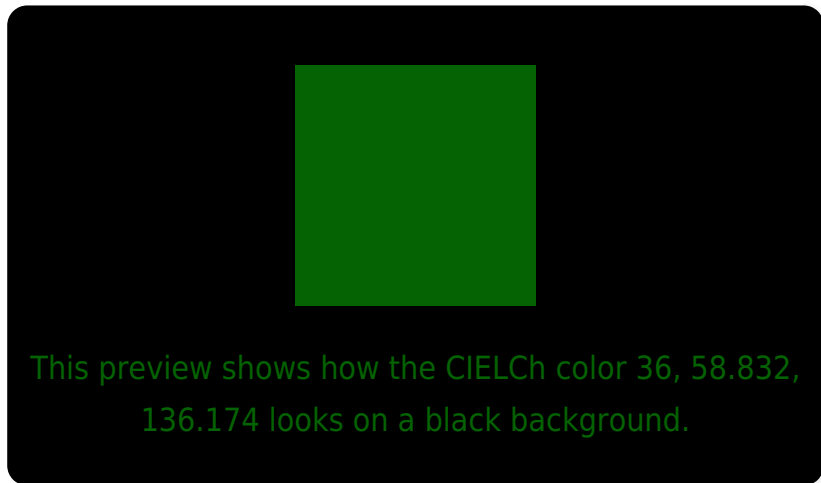
Large Text (above 18pt) WCAG AA ✓ Pass

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

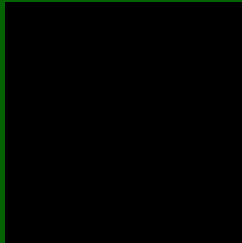
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 58.832, 136.174

Background



This preview shows how black text looks on a background with the CIELCh color 36, 58.832, 136.174.



This preview shows how white text looks on a background with the CIELCh color 36, 58.832, 136.174.

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, 58.761, 136.087

Protanopia
36, 43.959, 95.423

Deuteranopia
36, 36.931, 82.014



Tritanopia
36, 17.223, 214.341

Trichromacy



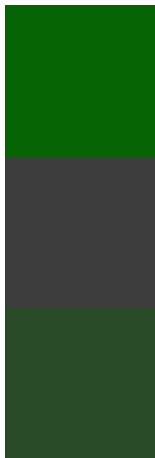
Original Color
36, 58.761, 136.087

Protanomaly
35, 47.194, 119.004

Deuteranomaly
34, 40.617, 115.520

Tritanomaly
36, 30.916, 158.767

Monochromacy



Original Color
36, 58.761, 136.087

Achromatopsia
25, 0.004, 296.813

Achromatomaly
28, 26.920, 140.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 58.832, 136.174 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(5, 99, 3)` looks like.

```
.text, #text, p{  
    color:rgb(5, 99, 3)  
}
```

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(5, 99, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 99, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 58.832, 136.174 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(5, 99, 3) }
```

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

```
.border{ border-color:rgb(5, 99, 3) }
```

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

Here you see how a box with a 4 pixel rgb(5, 99, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 99, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 99, 3); box-shadow:4px  
4px 4px 4px rgb(5, 99, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 58.832, 136.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 99, 3) }
```

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

```
.background{ background-color: rgb(5, 99,  
3) }
```

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