

Converting Colors

CIELCh(36, 49.235, 144.335)

Have a look what the booklet for
CIELCh(36, 49.235, 144.335)
contains.

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Color

CIELCh(36, 49.355, 144.291)

Conversions

Conversions Part 1

Format	Color
Hex	006323
RGB	0, 99, 35
RGB Percent	0%, 39%, 14%
CMY	1.0000, 0.6125, 0.8634
CMYK	1.00, 0.00, 0.65, 0.61
HSL	141°, 100%, 19%
HSV	141°, 100%, 39%
XYZ	4.7416, 9.0082, 3.0663
YIQ	62.1030, -38.4600, -40.8920

Conversions

Conversions Part 2

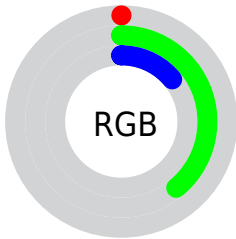
Format	Color
RYB	0, 73, 99
Decimal	25379
CIELab	36.00, -40.08, 28.81
CIELCh	36, 49.355, 144.291
Yxy	9.0082, 0.2820, 0.5357
Android (android.graphics.Color)	4278215459 (0xFF006323)
YUV	62.1030, -13.3618, -54.4643
Hunter-Lab	30.0136, -24.3243, 14.9523

Details

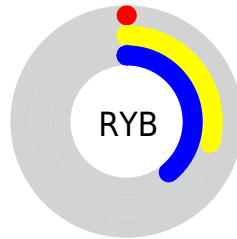
The CIELCh color **36, 49.355, 144.291** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 45.173, 347.324**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 49.389, 144.130**, and **17, 36.761, 138.832** is the 20% darker color. If you saturate the color by 10%, you get **36, 49.328, 144.260**, and if you desaturate by 10%, it is **36, 45.898, 145.920**.

Distribution



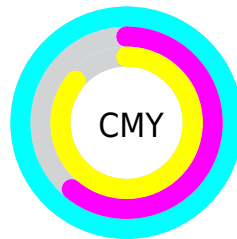
- Red (0%)
- Green (39%)
- Blue (14%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 49.355, 144.291 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, 49.355, 144.291 by changing the saturation by 10% instead.


 36, 49.355,
144.291


 36, 49.355,
144.291

 100, 49.355,
144.291


 26, 49.355,
144.291

 56, 49.355,
144.291


 16, 49.355,
144.291


 66, 49.355,
144.291

 6, 49.355, 144.291

 76, 49.355,
144.291

 0, 49.355, 144.291

 86, 49.355,
144.291

 96, 49.355,
144.291

■ 36, 49.355,
144.291

■ 36, 49.355,
144.291

■ 36, 49.328,
144.260

■ 36, 45.898,
145.920

■ 36, 42.144,
147.702

■ 37, 37.879,
149.323

■ 37, 33.160,
150.771

■ 38, 28.064,
152.052

■ 38, 22.683,
153.180

■ 39, 17.106,
154.173

■ 40, 11.419,

155.051

■ 41, 5.696, 155.841

Harmonies

Complementary

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



36, 49.355, 144.291



20, 45.173, 347.324

Rectangle

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



36, 49.355, 144.291



36, 49.355, 194.291



36, 49.355, 324.291



36, 49.355, 14.291

Sweetspot

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



36, 49.328, 144.260



50, 21.087, 154.092



38, 51.486, 121.286



25, 14.244, 153.821



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, 49.328, 144.260



46, 60.007, 143.593



37, 28.835, 177.225



20, 3.141, 155.929



41, 54.376, 143.907



83, 98.106, 142.501

Inverse Universe

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



20, 45.173, 347.324



27, 53.846, 348.074



19, 46.184, 29.027



18, 3.161, 337.041



23, 49.264, 347.715



53, 85.113, 349.407

Previews

White Background



This preview shows how the CIELCh color 36, 49.355, 144.291 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, 49.355, 144.291

Background



This preview shows how black text looks on a background with the CIELCh color 36, 49.355, 144.291.



This preview shows how white text looks on a background with the CIELCh color 36, 49.355, 144.291.

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, 49.355, 144.291

Protanopia
36, 32.249, 95.766

Deuteranopia
36, 27.479, 79.856



Tritanopia
36, 17.669, 213.852

Trichromacy



Original Color
36, 49.355, 144.291

Protanomaly
35, 36.765, 127.051

Deuteranomaly
34, 30.261, 123.652

Tritanomaly
35, 26.372, 170.837

Monochromacy



Original Color
36, 49.355, 144.291

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 21.389, 152.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 49.355, 144.291 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 49.355, 144.291 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, 35) }
```

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

```
.border{ border-color:rgb(0, 99, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 35); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 99, 35); box-shadow:4px  
4px 4px 4px rgb(0, 99, 35) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 49.355, 144.291 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, 35) }
```

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

```
.background{ background-color: rgb(0, 99,  
35) }
```

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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