

Converting Colors

CIELCh(34, 64.741, 159.056)

Have a look what the booklet for
CIELCh(34, 64.741, 159.056)
contains.

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Color

CIELCh(36, 47.284, 146.255)

Conversions

Conversions Part 1

Format	Color
Hex	006328
RGB	0, 99, 40
RGB Percent	0%, 39%, 16%
CMY	1.0000, 0.6131, 0.8443
CMYK	1.00, 0.00, 0.60, 0.61
HSL	144°, 100%, 19%
HSV	144°, 100%, 39%
XYZ	4.8004, 9.0082, 3.4667
YIQ	62.6730, -40.0650, -39.3370

Conversions

Conversions Part 2

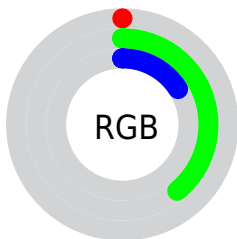
Format	Color
RYB	0, 71, 99
Decimal	25384
CIELab	36.00, -39.32, 26.27
CIELCh	36, 47.284, 146.255
Yxy	9.0082, 0.2779, 0.5214
Android (android.graphics.Color)	4278215464 (0xFF006328)
YUV	62.6730, -11.1778, -54.9642
Hunter-Lab	30.0136, -23.9743, 14.1613

Details

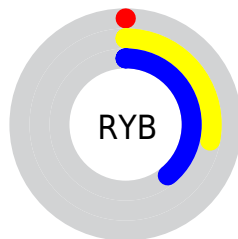
The CIELCh color **36, 47.284, 146.255** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 43.996, 351.115**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 47.419, 146.309**, and **17, 36.761, 138.832** is the 20% darker color. If you saturate the color by 10%, you get **36, 47.233, 146.197**, and if you desaturate by 10%, it is **36, 43.922, 147.922**.

Distribution



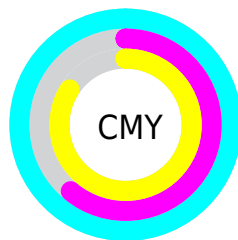
- Red (0%)
- Green (39%)
- Blue (16%)



- Red (0%)
- Yellow (28%)
- Blue (39%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 47.284, 146.255 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, 47.284, 146.255 by changing the saturation by 10% instead.


 36, 47.284,
146.255


 36, 47.284,
146.255

 100, 47.284,
146.255


 26, 47.284,
146.255

 56, 47.284,
146.255


 16, 47.284,
146.255


 66, 47.284,
146.255

 6, 47.284, 146.255

 76, 47.284,
146.255

 0, 47.284, 146.255

 86, 47.284,
146.255

 96, 47.284,
146.255

■ 36, 47.284,
146.255

■ 36, 47.284,
146.255

■ 36, 47.233,
146.197

■ 36, 43.922,
147.922

■ 36, 40.336,
149.748

■ 37, 36.272,
151.398

■ 37, 31.775,
152.870

■ 38, 26.915,
154.174

■ 38, 21.773,
155.324

■ 39, 16.436,
156.341

■ 40, 10.981,

157.246

■ 41, 5.482, 158.066

Harmonies

Complementary

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



36, 47.284, 146.255



20, 43.996, 351.115

Rectangle

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



36, 47.284, 146.255



36, 47.284, 196.255



36, 47.284, 326.255



36, 47.284, 16.255

Sweetspot

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



36, 47.233, 146.197



50, 20.284, 156.258



37, 52.218, 123.377



25, 13.698, 155.979



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, 47.233, 146.197



46, 57.534, 145.501



37, 27.266, 183.018



20, 3.028, 158.157



41, 52.131, 145.828



83, 94.105, 144.361

Inverse Universe

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



20, 43.996, 351.115



27, 52.514, 352.042



19, 47.121, 31.460



18, 3.051, 339.321



23, 48.039, 351.601



52, 83.070, 353.675

Previews

White Background



This preview shows how the CIELCh color 36, 47.284, 146.255 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 CIE LCh color 36, 47.284, 146.255 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, 47.284, 146.255

Background



This preview shows how black text looks on a background with the CIELCh color 36, 47.284, 146.255.



This preview shows how white text looks on a background with the CIELCh color 36, 47.284, 146.255.

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, 47.284, 146.255

Protanopia

36, 29.586, 96.449

Deuteranopia

36, 25.110, 79.136



Tritanopia
36, 18.095, 211.300

Trichromacy



Original Color
36, 47.284, 146.255

Protanomaly
35, 34.391, 128.865

Deuteranomaly
34, 28.328, 126.088

Tritanomaly
36, 26.203, 172.234

Monochromacy



Original Color
36, 47.284, 146.255

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 20.448, 155.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 47.284, 146.255 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 47.284, 146.255 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, 40) }
```

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

```
.border{ border-color:rgb(0, 99, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 99, 40); box-shadow:4px  
4px 4px 4px rgb(0, 99, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 47.284, 146.255 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, 40) }
```

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

```
.background{ background-color: rgb(0, 99,  
40) }
```

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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