

Converting Colors

CIELCh(36, 47.592, 120.307)

Have a look what the booklet for
CIELCh(36, 47.592, 120.307)
contains.

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Color

CIELCh(36, 47.348, 120.148)

Conversions

Conversions Part 1

Format	Color
Hex	405D05
RGB	64, 93, 5
RGB Percent	25%, 36%, 2%
CMY	0.7475, 0.6338, 0.9786
CMYK	0.31, 0.00, 0.94, 0.63
HSL	80°, 89%, 19%
HSV	80°, 94%, 37%
XYZ	6.1157, 9.0082, 1.5732
YIQ	74.2970, 10.9640, -33.5160

Conversions

Conversions Part 2

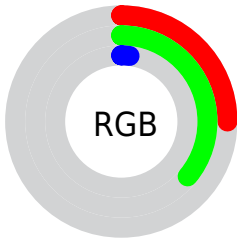
Format	Color
RYB	5, 93, 34
Decimal	4218117
CIELab	36.00, -23.78, 40.94
CIElCh	36, 47.348, 120.148
Yxy	9.0082, 0.3663, 0.5395
Android (android.graphics.Color)	4282408197 (0xFF405D05)
YUV	74.2970, -34.1634, -9.0305
Hunter-Lab	30.0136, -16.1516, 17.9018

Details

The CIELCh color **36, 47.348, 120.148** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 58.207, 308.966**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 47.017, 120.101**, and **16, 31.843, 134.132** is the 20% darker color. If you saturate the color by 10%, you get **36, 49.157, 120.286**, and if you desaturate by 10%, it is **36, 44.320, 119.794**.

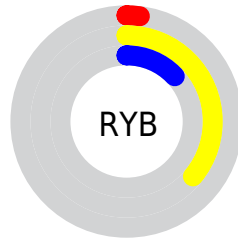
Distribution



Red (25%)

Green (36%)

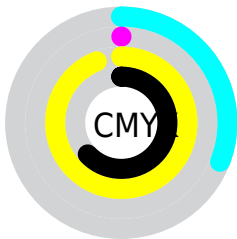
Blue (2%)



Red (2%)

Yellow (36%)

Blue (13%)

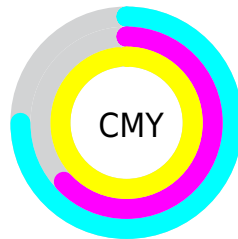


Cyan (31%)

Magenta (0%)

Yellow (94%)

Black (63%)



Cyan (75%)

Magenta (63%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 47.348, 120.148 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, 47.348, 120.148 by changing the saturation by 10% instead.


 36, 47.348,
120.148


 36, 47.348,
120.148

 100, 47.348,
120.148


 26, 47.348,
120.148

 56, 47.348,
120.148


 16, 47.348,
120.148


 66, 47.348,
120.148

 6, 47.348, 120.148

 76, 47.348,
120.148

 0, 47.348, 120.148

 86, 47.348,
120.148

 96, 47.348,
120.148

■ 36, 47.348,
120.148

■ 36, 47.348,
120.148

■ 36, 49.157,
120.286

■ 36, 44.320,
119.794

■ 37, 40.502,
119.708

■ 37, 35.953,
119.878

■ 37, 30.888,
120.218

■ 38, 25.481,
120.661

■ 38, 19.857,
121.159

■ 38, 14.102,
121.681

■ 39, 8.277, 122.205

Harmonies

Complementary

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



36, 47.348, 120.148



11, 58.207, 308.966

Rectangle

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



36, 47.348, 120.148



36, 47.348, 170.148



36, 47.348, 300.148



36, 47.348, 350.148

Sweetspot

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



36, 47.348, 120.150



50, 20.399, 121.432



22, 39.470, 48.737



25, 13.932, 121.280



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



36, 47.348, 120.150



47, 59.709, 120.754



34, 54.137, 134.498



19, 3.231, 122.482



42, 55.137, 120.576



86, 97.812, 121.527

Inverse Universe

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



11, 58.207, 308.966



15, 74.711, 309.083



18, 54.378, 321.766



17, 3.284, 303.367



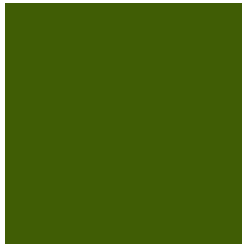
13, 68.970, 309.203



33, 122.506, 308.584

Previews

White Background



This preview shows how the CIELCh color 36, 47.348, 120.148 looks on a white background.

Color Contrast Check

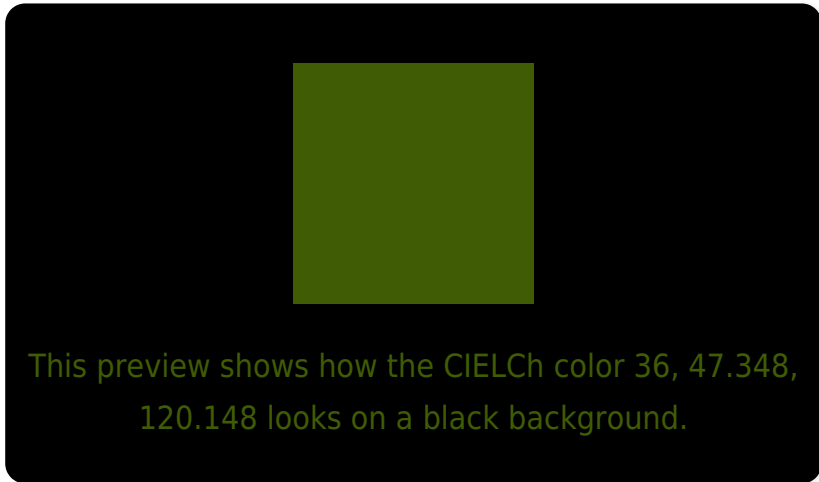
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.348, 120.148

Background



This preview shows how black text looks on a background with the CIELCh color 36, 47.348, 120.148.



This preview shows how white text looks on a background with the CIELCh color 36, 47.348, 120.148.

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

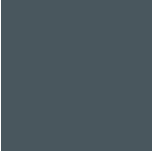
36, 47.348, 120.148

Protanopia

36, 43.888, 96.093

Deuteranopia

36, 38.548, 82.622



Tritanopia
36, 6.932, 237.838

Trichromacy



Original Color
36, 47.348, 120.148

Protanomaly
36, 44.045, 105.591

Deuteranomaly
36, 39.670, 98.313

Tritanomaly
36, 18.671, 134.526

Monochromacy



Original Color
36, 47.348, 120.148

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 20.381, 121.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 47.348, 120.148 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(64, 93, 5)` looks like.

```
.text, #text, p{  
    color:rgb(64, 93, 5)  
}
```

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(64, 93, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 93, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 47.348, 120.148 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(64, 93, 5) }
```

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

```
.border{ border-color:rgb(64, 93, 5) }
```

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

Here you see how a box with a 4 pixel rgb(64, 93, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 93, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 93, 5); box-shadow:4px  
4px 4px 4px rgb(64, 93, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 47.348, 120.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 93, 5) }
```

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

```
.background{ background-color: rgb(64, 93,  
5) }
```

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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