

Converting Colors

CIELCh(36, 40.670, 108.068)

Have a look what the booklet for
CIELCh(36, 40.670, 108.068)
contains.

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Color

CIELCh(36, 40.573, 107.807)

Conversions

Conversions Part 1

Format	Color
Hex	53590F
RGB	83, 89, 15
RGB Percent	33%, 35%, 6%
CMY	0.6747, 0.6512, 0.9414
CMYK	0.07, 0.00, 0.83, 0.65
HSL	65°, 71%, 20%
HSV	65°, 83%, 35%
XYZ	7.2173, 9.0082, 1.8082
YIQ	78.7700, 20.1780, -24.2860

Conversions

Conversions Part 2

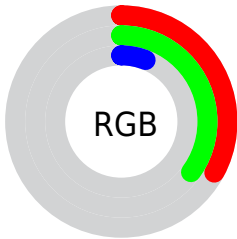
Format	Color
RYB	15, 89, 21
Decimal	5462287
CIELab	36.00, -12.41, 38.63
CIELCh	36, 40.573, 107.807
Yxy	9.0082, 0.4002, 0.4995
Android (android.graphics.Color)	4283652367 (0xFF53590F)
YUV	78.7700, -31.4386, 3.7097
Hunter-Lab	30.0136, -9.6001, 17.4376

Details

The CIELCh color **36, 40.573, 107.807** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 51.795, 304.186**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 40.531, 107.869**, and **16, 25.909, 115.713** is the 20% darker color. If you saturate the color by 10%, you get **36, 43.269, 107.628**, and if you desaturate by 10%, it is **36, 37.088, 108.169**.

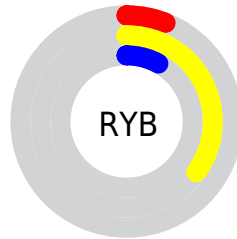
Distribution



Red (33%)

Green (35%)

Blue (6%)



Red (6%)

Yellow (35%)

Blue (8%)

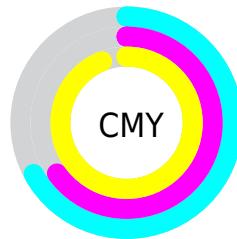


Cyan (7%)

Magenta (0%)

Yellow (83%)

Black (65%)



Cyan (67%)


Magenta (65%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 40.573, 107.807 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, 40.573, 107.807 by changing the saturation by 10% instead.


 36, 40.573,
107.807


 36, 40.573,
107.807

 100, 40.573,
107.807


 26, 40.573,
107.807

 56, 40.573,
107.807


 16, 40.573,
107.807


 66, 40.573,
107.807

 6, 40.573, 107.807

 76, 40.573,
107.807

 0, 40.573, 107.807

 86, 40.573,
107.807

 96, 40.573,
107.807

■ 36, 40.573,
107.807

■ 36, 40.573,
107.807

■ 36, 43.269,
107.628

■ 36, 37.088,
108.169

■ 36, 45.140,
107.484

■ 36, 32.901,
108.690

■ 36, 28.221,
109.326

■ 37, 23.212,
110.038

■ 37, 17.991,
110.793

■ 37, 12.641,
111.570

■ 37, 7.214, 112.350

■ 38, 1.747, 113.114

Harmonies

Complementary

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



36, 40.573, 107.807



11, 51.795, 304.186

Rectangle

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



36, 40.573, 107.807



36, 40.573, 157.807



36, 40.573, 287.807



36, 40.573, 337.807

Sweetspot

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



36, 40.573, 107.809



47, 16.785, 111.367



19, 37.891, 34.852



24, 11.530, 111.193



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



36, 40.573, 107.809



46, 53.992, 107.628



34, 45.301, 128.578



18, 2.996, 112.694



43, 51.407, 107.591



89, 91.436, 107.904

Inverse Universe

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



11, 51.795, 304.186



11, 73.721, 306.708



15, 49.593, 314.356



16, 3.054, 294.081



10, 70.158, 306.742



30, 125.224, 306.488

Previews

White Background



This preview shows how the CIELCh color 36, 40.573, 107.807 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 CIELCh color 36, 40.573, 107.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

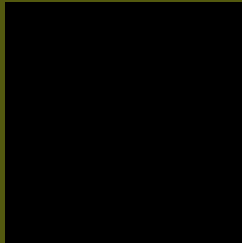
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 40.573, 107.807

Background



This preview shows how black text looks on a background with the CIELCh color 36, 40.573, 107.807.



This preview shows how white text looks on a background with the CIELCh color 36, 40.573, 107.807.

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, 40.573, 107.807

Protanopia

36, 39.531, 96.098

Deuteranopia

36, 37.758, 82.334



Tritanopia
36, 4.532, 324.750

Trichromacy



Original Color
36, 40.573, 107.807

Protanomaly
36, 39.652, 99.851

Deuteranomaly
36, 37.734, 92.030

Tritanomaly
36, 14.171, 104.009

Monochromacy



Original Color
36, 40.573, 107.807

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.689, 112.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 40.573, 107.807 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(83, 89, 15)` looks like.

```
.text, #text, p{  
    color:rgb(83, 89, 15)  
}
```

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(83, 89, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 89, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 40.573, 107.807 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(83, 89, 15) }
```

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

```
.border{ border-color:rgb(83, 89, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 89, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 89, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 89, 15);  
box-shadow:4px 4px 4px 4px rgb(83, 89, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 40.573, 107.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 89, 15) }
```

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

```
.background{ background-color: rgb(83, 89,  
15) }
```

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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