

Converting Colors

CIELCh(36, 33.966, 109.744)

Have a look what the booklet for
CIELCh(36, 33.966, 109.744)
contains.

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Color

CIELCh(36, 34.322, 109.506)

Conversions

Conversions Part 1

Format	Color
Hex	53591E
RGB	83, 89, 30
RGB Percent	33%, 35%, 12%
CMY	0.6758, 0.6522, 0.8836
CMYK	0.07, 0.00, 0.67, 0.65
HSL	66°, 50%, 23%
HSV	66°, 67%, 35%
XYZ	7.3147, 9.0082, 2.5610
YIQ	80.4800, 15.3630, -19.6210

Conversions

Conversions Part 2

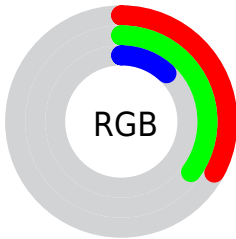
Format	Color
RYB	30, 89, 36
Decimal	5462302
CIELab	36.00, -11.46, 32.35
CIELCh	36, 34.322, 109.506
Yxy	9.0082, 0.3874, 0.4770
Android (android.graphics.Color)	4283652382 (0xFF53591E)
YUV	80.4800, -24.8866, 2.2100
Hunter-Lab	30.0136, -9.0213, 15.9505

Details

The CIELCh color **36, 34.322, 109.506** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 40.979, 301.945**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 34.454, 109.745**, and **16, 25.799, 114.520** is the 20% darker color. If you saturate the color by 10%, you get **36, 38.305, 109.073**, and if you desaturate by 10%, it is **36, 29.786, 110.079**.

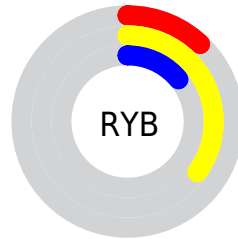
Distribution



 Red (33%)

 Green (35%)

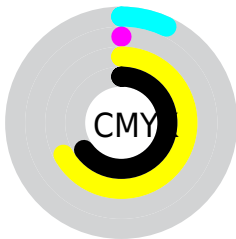
 Blue (12%)



 Red (12%)

 Yellow (35%)

 Blue (14%)

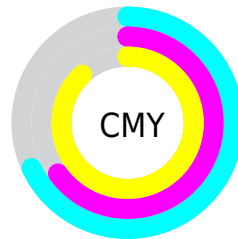


 Cyan (7%)


 Magenta (0%)

 Yellow (67%)

 Black (65%)



 Cyan (68%)


 Magenta (65%)


 Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 34.322, 109.506 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, 34.322, 109.506 by changing the saturation by 10% instead.


 36, 34.322,
109.506


 36, 34.322,
109.506

 100, 34.322,
109.506


 26, 34.322,
109.506

 56, 34.322,
109.506


 16, 34.322,
109.506

 66, 34.322,
109.506

 6, 34.322, 109.506

 76, 34.322,
109.506

 0, 34.322, 109.506

 86, 34.322,
109.506

 96, 34.322,
109.506

■ 36, 34.322,
109.506

■ 36, 34.322,
109.506

■ 36, 38.305,
109.073

■ 36, 29.786,
110.079

■ 36, 41.516,
108.828

■ 36, 24.874,
110.740

■ 36, 44.161,
108.710

■ 37, 19.718,
111.456

■ 36, 45.146,
108.645

■ 37, 14.409,
112.200

■ 37, 9.009, 112.953

■ 37, 3.560, 113.700

■ 38, 1.911, 294.445

■ 38, 7.384, 295.150

■ 39, 12.844,

295.833

Harmonies

Complementary

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



36, 34.322, 109.506



15, 40.979, 301.945

Rectangle

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



36, 34.322, 109.506



36, 34.322, 159.506



36, 34.322, 289.506



36, 34.322, 339.506

Sweetspot

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



36, 34.322, 109.508



48, 13.473, 112.643



22, 28.807, 33.573



24, 9.259, 112.508



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, 34.322, 109.508



46, 48.355, 108.899



34, 38.249, 129.728



18, 2.999, 113.535



43, 51.528, 108.782



88, 91.679, 109.170

Inverse Universe

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



15, 40.979, 301.945



16, 61.365, 304.375



19, 40.866, 315.089



16, 3.057, 294.869



10, 70.030, 306.860



30, 125.066, 306.566

Previews

White Background



This preview shows how the CIELCh color 36, 34.322, 109.506 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, 34.322, 109.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

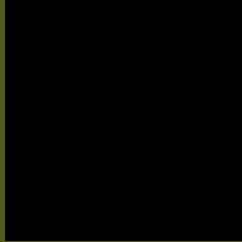
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 34.322, 109.506

Background



This preview shows how black text looks on a background with the CIELCh color 36, 34.322, 109.506.



This preview shows how white text looks on a background with the CIELCh color 36, 34.322, 109.506.

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, 34.322, 109.506

Protanopia

36, 33.235, 95.845

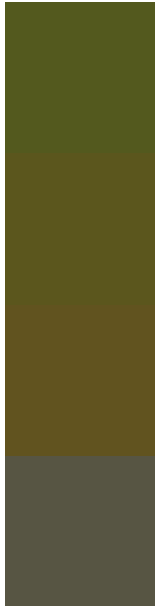
Deuteranopia

36, 31.859, 81.441



Tritanopia
36, 4.532, 324.750

Trichromacy



Original Color
36, 34.322, 109.506

Protanomaly
36, 33.370, 100.244

Deuteranomaly
36, 31.740, 91.914

Tritanomaly
36, 11.130, 103.576

Monochromacy



Original Color
36, 34.322, 109.506

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 13.018, 112.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 34.322, 109.506 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(83, 89, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 89, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 34.322, 109.506 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, 30) }
```

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

```
.border{ border-color:rgb(83, 89, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 89, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 89, 30);  
box-shadow:4px 4px 4px 4px rgb(83, 89, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 34.322, 109.506 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, 30) }
```

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

```
.background{ background-color: rgb(83, 89,  
30) }
```

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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