

Converting Colors

CIELCh(36, 38.542, 102.250)

Have a look what the booklet for
CIELCh(36, 38.542, 102.250)
contains.

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Color

CIELCh(36, 38.542, 102.250)

Conversions

Conversions Part 1

Format	Color
Hex	595712
RGB	89, 87, 18
RGB Percent	35%, 34%, 7%
CMY	0.6505, 0.6584, 0.9289
CMYK	0.00, 0.02, 0.80, 0.65
HSL	58°, 66%, 21%
HSV	58°, 80%, 35%
XYZ	7.6586, 9.0082, 1.9127
YIQ	79.7320, 23.3410, -21.0350

Conversions

Conversions Part 2

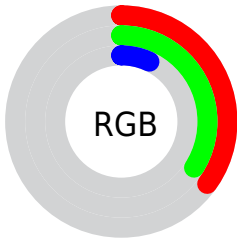
Format	Color
R_{YB}	20, 89, 18
Decimal	5854994
CIE _{Lab}	36.00, -8.18, 37.66
CIE _{LCh}	36, 38.542, 102.250
Yxy	9.0082, 0.4122, 0.4848
Android (android.graphics.Color)	4284045074 (0xFF595712)
YUV	79.7320, -30.4339, 8.1280
Hunter-Lab	30.0136, -6.9758, 17.2311

Details

The CIELCh color **36, 38.542, 102.250** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12, 48.631, 301.751**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 38.605, 102.793**, and **16, 24.234, 107.439** is the 20% darker color. If you saturate the color by 10%, you get **36, 41.402, 101.703**, and if you desaturate by 10%, it is **36, 34.844, 102.925**.

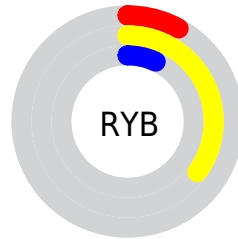
Distribution



Red (35%)

Green (34%)

Blue (7%)



Red (8%)

Yellow (35%)

Blue (7%)

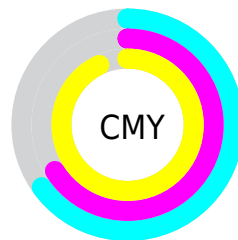


Cyan (0%)

Magenta (2%)

Yellow (80%)

Black (65%)



Cyan (65%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 38.542, 102.250 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, 38.542, 102.250 by changing the saturation by 10% instead.


 36, 38.542,
102.250


 36, 38.542,
102.250

 100, 38.542,
102.250


 26, 38.542,
102.250

 56, 38.542,
102.250


 16, 38.542,
102.250


 66, 38.542,
102.250

 6, 38.542, 102.250

 76, 38.542,
102.250

 0, 38.542, 102.250

 86, 38.542,
102.250

 96, 38.542,
102.250

■ 36, 38.542,
102.250

■ 36, 38.542,
102.250

■ 36, 41.402,
101.703

■ 36, 34.844,
102.925

■ 36, 44.046,
101.195

■ 36, 30.534,
103.694

■ 36, 44.142,
101.177

■ 37, 25.812,
104.532

■ 37, 20.824,
105.415

■ 37, 15.674,
106.324

■ 37, 10.428,
107.241

■ 38, 5.132, 108.153

■ 38, 0.186, 289.289

Harmonies

Complementary

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



36, 38.542, 102.250



12, 48.631, 301.751

Rectangle

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



36, 38.542, 102.250



36, 38.542, 152.250



36, 38.542, 282.250



36, 38.542, 332.250

Sweetspot

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



36, 38.542, 102.252



47, 15.655, 106.774



18, 36.911, 29.462



24, 10.830, 106.560



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, 38.542, 102.252



46, 51.694, 101.299



34, 42.716, 125.143



18, 2.906, 108.235



43, 50.175, 101.137



88, 89.078, 101.019

Inverse Universe

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



12, 48.631, 301.751



12, 70.364, 305.117



15, 48.311, 311.635



16, 2.960, 289.877



10, 69.040, 305.643



30, 124.484, 306.035

Previews

White Background



This preview shows how the CIELCh color 36, 38.542, 102.250 looks on a white background.

Color Contrast Check

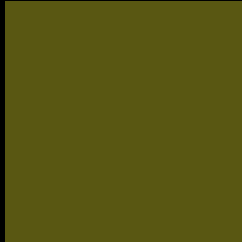
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.542, 102.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

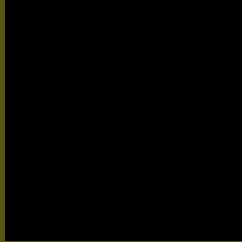
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 38.542, 102.250

Background



This preview shows how black text looks on a background with the CIELCh color 36, 38.542, 102.250.



This preview shows how white text looks on a background with the CIELCh color 36, 38.542, 102.250.

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, 38.542, 102.250

Protanopia

36, 38.074, 96.072

Deuteranopia

36, 36.931, 82.014



Tritanopia
36, 7.090, 348.901

Trichromacy



Original Color
36, 38.542, 102.250

Protanomaly
36, 38.295, 98.429

Deuteranomaly
36, 36.782, 90.308

Tritanomaly
36, 13.831, 88.016

Monochromacy



Original Color
36, 38.542, 102.250

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 15.411, 107.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 38.542, 102.250 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(89, 87, 18)` looks like.

```
.text, #text, p{  
    color:rgb(89, 87, 18)  
}
```

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(89, 87, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 87, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 38.542, 102.250 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(89, 87, 18) }
```

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

```
.border{ border-color:rgb(89, 87, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 87, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 87, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 87, 18);  
box-shadow:4px 4px 4px 4px rgb(89, 87, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 38.542, 102.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 87, 18) }
```

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

```
.background{ background-color: rgb(89, 87,  
18) }
```

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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