

Converting Colors

CIELCh(36, 12.861, 101.383)

Have a look what the booklet for
CIELCh(36, 12.861, 101.383)
contains.

CIELCh(36, 12.998, 101.842)	3
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Color

CIELCh(36, 12.998, 101.842)

Conversions

Conversions Part 1

Format	Color
Hex	585540
RGB	88, 85, 64
RGB Percent	35%, 33%, 25%
CMY	0.6537, 0.6655, 0.7479
CMYK	0.00, 0.03, 0.27, 0.65
HSL	52°, 16%, 30%
HSV	52°, 27%, 35%
XYZ	8.2599, 9.0082, 6.1976
YIQ	83.5030, 8.5290, -5.8950

Conversions

Conversions Part 2

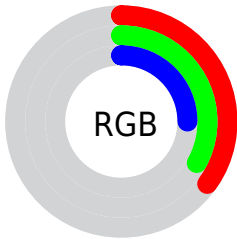
Format	Color
RYB	67, 88, 64
Decimal	5788992
CIELab	36.00, -2.67, 12.72
CIELCh	36, 12.998, 101.842
Yxy	9.0082, 0.3520, 0.3839
Android (android.graphics.Color)	4283979072 (0xFF585540)
YUV	83.5030, -9.6150, 3.9439
Hunter-Lab	30.0136, -3.3995, 8.7666

Details

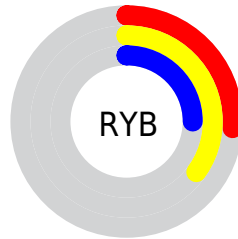
The CIELCh color **36, 12.998, 101.842** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **29, 13.556, 287.772**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 13.132, 103.099**, and **16, 13.110, 101.794** is the 20% darker color. If you saturate the color by 10%, you get **35, 17.739, 100.824**, and if you desaturate by 10%, it is **37, 8.220, 102.858**.

Distribution



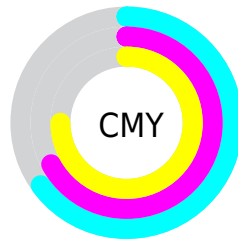
- Red (35%)
- Green (33%)
- Blue (25%)



- Red (26%)
- Yellow (35%)
- Blue (25%)



- Cyan (0%)
- Magenta (3%)
- Yellow (27%)
- Black (65%)





- Cyan (65%)
- Magenta (67%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 12.998, 101.842 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, 12.998, 101.842 by changing the saturation by 10% instead.


 36, 12.998,
101.842


 36, 12.998,
101.842

 100, 12.998,
101.842


 26, 12.998,
101.842

 56, 12.998,
101.842


 16, 12.998,
101.842


 66, 12.998,
101.842

 6, 12.998, 101.842

 76, 12.998,
101.842

 0, 12.998, 101.842

 86, 12.998,
101.842

 96, 12.998,
101.842

■ 36, 12.998,
101.842

■ 36, 12.998,
101.842

■ 35, 17.739,
100.824

■ 37, 8.220, 102.858

■ 35, 22.392, 99.799

■ 37, 3.433, 103.841

■ 35, 26.878, 98.782

■ 38, 1.343, 284.878

■ 34, 31.077, 97.787

■ 38, 6.098, 285.778

■ 34, 34.807, 96.822

■ 39, 10.823,
286.677

■ 33, 37.827, 95.894

■ 40, 15.516,
287.543

■ 33, 40.439, 95.009

■ 40, 20.173,
288.370

■ 33, 41.262, 94.771

■ 41, 24.793,
289.159

■ 42, 29.375,

Harmonies

Complementary

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



36, 12.998, 101.842



29, 13.556, 287.772

Rectangle

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



36, 12.998, 101.842



36, 12.998, 151.842



36, 12.998, 281.842



36, 12.998, 331.842

Sweetspot

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



36, 12.999, 101.847



48, 4.739, 103.738



30, 11.201, 10.991



24, 3.396, 103.633



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, 12.999, 101.847



46, 19.551, 101.144



36, 15.259, 122.967



17, 2.631, 103.691



40, 47.137, 94.549



83, 83.387, 93.926

Inverse Universe

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



29, 13.556, 287.772



36, 20.651, 288.806



29, 15.956, 305.741



16, 2.669, 285.473



12, 63.872, 303.417



32, 118.837, 304.736

Previews

White Background



This preview shows how the CIE LCh color 36, 12.998, 101.842 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, 12.998, 101.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

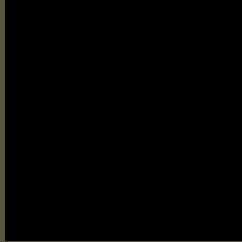
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 12.998, 101.842

Background



This preview shows how black text looks on a background with the CIELCh color 36, 12.998, 101.842.



This preview shows how white text looks on a background with the CIELCh color 36, 12.998, 101.842.

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

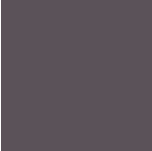
36, 12.998, 101.842

Protanopia

36, 13.228, 95.781

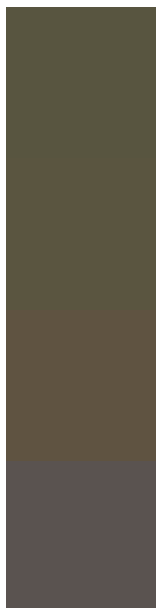
Deuteranopia

36, 13.154, 68.342



Tritanopia
36, 5.812, 331.865

Trichromacy



Original Color
36, 12.998, 101.842

Protanomaly
36, 13.134, 97.782

Deuteranomaly
36, 12.508, 81.581

Tritanomaly
36, 3.588, 50.816

Monochromacy



Original Color
36, 12.998, 101.842

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 4.417, 97.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 12.998, 101.842 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(88, 85, 64)` looks like.

```
.text, #text, p{  
    color:rgb(88, 85, 64)  
}
```

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(88, 85, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 85, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 12.998, 101.842 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(88, 85, 64) }
```

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

```
.border{ border-color:rgb(88, 85, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 85, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 85, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 85, 64);  
box-shadow:4px 4px 4px 4px rgb(88, 85, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 12.998, 101.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 85, 64) }
```

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

```
.background{ background-color: rgb(88, 85,  
64) }
```

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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