

Converting Colors

CIELCh(37, 14.075, 109.729)

Have a look what the booklet for
CIELCh(37, 14.075, 109.729)
contains.

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Color

CIELCh(37, 14.049, 109.750)

Conversions

| Conversions Part 1 | |
|--------------------|--------------------------|
| Format | Color |
| Hex | 585942 |
| RGB | 88, 89, 66 |
| RGB Percent | 35%, 35%, 26% |
| CMY | 0.6562, 0.6523, 0.7424 |
| CMYK | 0.01, 0.00, 0.26, 0.65 |
| HSL | 63°, 15%, 30% |
| HSV | 63°, 26%, 35% |
| XYZ | 8.5120, 9.5379, 6.4978 |
| YIQ | 86.0790, 6.7870, -7.3650 |

Conversions

Conversions Part 2

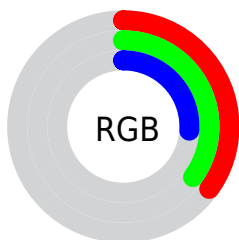
| Format | Color |
|-------------------------------------|--|
| RYB | 66, 89, 67 |
| Decimal | 5790018 |
| CIELab | 37.00, -4.75, 13.22 |
| CIELCh | 37, 14.049, 109.750 |
| Yxy | 9.5379, 0.3468, 0.3885 |
| Android (android.graphics.Color) | 4283980098 (0xFF585942) |
| YUV | 86.0790, -9.8989, 1.6847 |
| Hunter-Lab | 30.8835, -4.8487, 9.1439 |

Details

The CIELCh color $37, 14.049, 109.750$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $29, 14.859, 294.465$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 14.147, 110.180$, and $17, 14.258, 110.765$ is the 20% darker color. If you saturate the color by 10%, you get $37, 19.349, 108.931$, and if you desaturate by 10%, it is $37, 8.662, 110.585$.

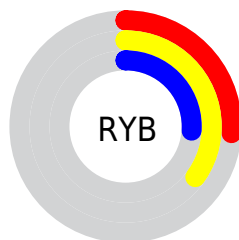
Distribution



Red (35%)

Green (35%)

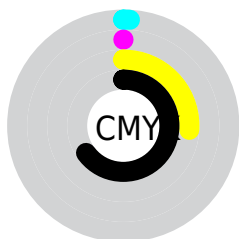
Blue (26%)



Red (26%)

Yellow (35%)

Blue (26%)

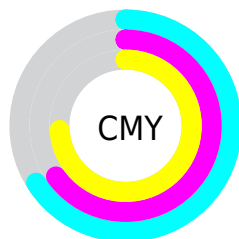


Cyan (1%)

Magenta (0%)

Yellow (26%)

Black (65%)



Cyan (66%)

Magenta (65%)


Yellow (74%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 37, 14.049, 109.750 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 37, 14.049, 109.750 by changing the saturation by 10% instead.


 37, 14.049,
109.750


 37, 14.049,
109.750

 100, 14.049,
109.750


 27, 14.049,
109.750

 57, 14.049,
109.750


 17, 14.049,
109.750


 67, 14.049,
109.750

 7, 14.049, 109.750

 77, 14.049,
109.750

 0, 14.049, 109.750

 87, 14.049,
109.750

 97, 14.049,
109.750

37, 14.049,
109.750

37, 14.049,
109.750

37, 19.349,
108.931

37, 8.662, 110.585

37, 24.499,
108.135

38, 3.226, 111.407

38, 2.231, 292.239

36, 29.410,
107.387

38, 7.690, 293.021

36, 33.951,
106.718

38, 13.138,
293.783

36, 37.945,
106.164

39, 18.564,
294.514

36, 41.175,
105.765

39, 23.962,
295.211

36, 43.782,
105.489

40, 29.324,
295.873

36, 44.912,

40, 34.647,

105.361

296.500

Harmonies

Complementary

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



37, 14.049, 109.750



29, 14.859, 294.465

Rectangle

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



37, 14.049, 109.750



37, 14.049, 159.750



37, 14.049, 289.750



37, 14.049, 339.750

Sweetspot

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



37, 14.050, 109.754



48, 5.389, 111.217



31, 10.349, 23.793



25, 3.860, 111.128



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 14.050, 109.754



47, 20.709, 109.253



36, 15.171, 129.148



18, 2.991, 111.177



43, 51.254, 105.421



89, 91.128, 105.592

Inverse Universe

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



29, 14.859, 294.465



35, 22.236, 295.220



30, 15.637, 311.318



16, 3.050, 292.662



10, 70.392, 306.532



30, 125.437, 306.383

Previews

White Background



This preview shows how the CIELCh color 37, 14.049, 109.750 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 37, 14.049, 109.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

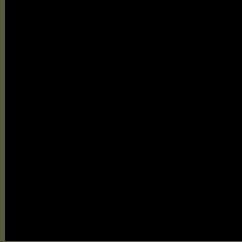
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

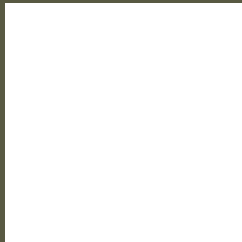
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 14.049, 109.750

Background



This preview shows how black text looks on a background with the CIELCh color 37, 14.049, 109.750.

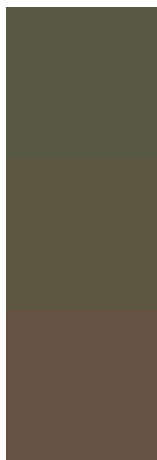


This preview shows how white text looks on a background with the CIELCh color 37, 14.049, 109.750.

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


37, 14.049, 109.750

Protanopia

37, 13.772, 96.240

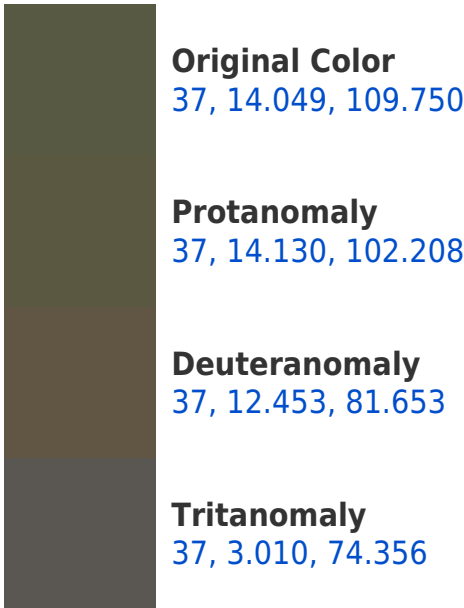
Deuteranopia

37, 13.412, 66.896

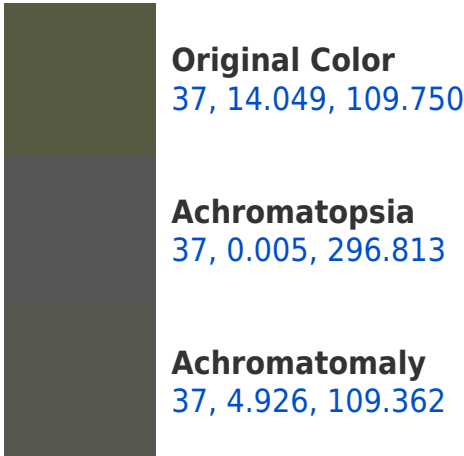


Tritanopia
37, 5.035, 320.792

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 14.049, 109.750 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, 89, 66)` looks like.

```
.text, #text, p{  
    color:rgb(88, 89, 66)  
}
```

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, 89, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 89, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 14.049, 109.750 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, 89, 66) }
```

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

```
.border{ border-color:rgb(88, 89, 66) }
```

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

Here you see how a box with a 4 pixel rgb(88, 89, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 89, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 89, 66);  
box-shadow:4px 4px 4px 4px rgb(88, 89, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 14.049, 109.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 89, 66) }
```

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

```
.background{ background-color: rgb(88, 89,  
66) }
```

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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