

Converting Colors

CIELCh(37, 1.004, 158.242)

Have a look what the booklet for
CIELCh(37, 1.004, 158.242) contains.

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Color

CIELCh(37, 0.750, 144.572)

Conversions

Conversions Part 1

Format	Color
Hex	565756
RGB	86, 87, 86
RGB Percent	34%, 34%, 34%
CMY	0.6615, 0.6576, 0.6615
CMYK	0.01, 0.00, 0.01, 0.66
HSL	120°, 1%, 34%
HSV	120°, 1%, 34%
XYZ	8.9929, 9.5379, 10.2376
YIQ	86.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

Format	Color
RYB	86, 87, 87
Decimal	5658454
CIELab	37.00, -0.61, 0.43
CIELCh	37, 0.750, 144.572
Yxy	9.5379, 0.3126, 0.3315
Android (android.graphics.Color)	4283848534 (0xFF565756)
YUV	86.5870, -0.2894, -0.5148
Hunter-Lab	30.8835, -2.0689, 1.9643

Details

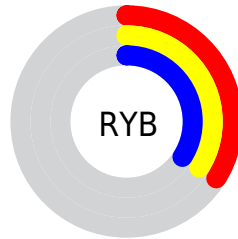
The CIELCh color $37, 0.750, 144.572$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $37, 0.761, 324.314$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 0.689, 144.686$, and $17, 0.846, 144.441$ is the 20% darker color. If you saturate the color by 10%, you get $36, 7.385, 143.855$, and if you desaturate by 10%, it is $38, 5.777, 324.829$.

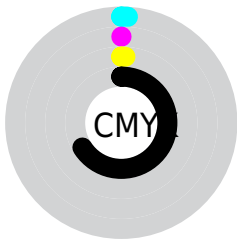
Distribution



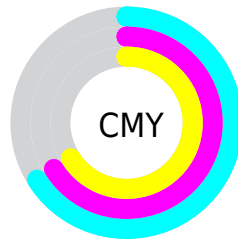
- Red (34%)
- Green (34%)
- Blue (34%)



- Red (34%)
- Yellow (34%)
- Blue (34%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (66%)



- Cyan (66%)
- Magenta (66%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 0.750, 144.572 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, 0.750, 144.572 by changing the saturation by 10% instead.

■ 37, 0.750, 144.572

■ 37, 0.750, 144.572

100, 0.750,
144.572

■ 27, 0.750, 144.572

■ 57, 0.750, 144.572

■ 17, 0.750, 144.572

■ 67, 0.750, 144.572

■ 7, 0.750, 144.572

■ 77, 0.750, 144.572

■ 0, 0.750, 144.572

■ 87, 0.750, 144.572

■ 97, 0.750, 144.572

■ 37, 0.750, 144.572

■ 37, 0.750, 144.572

■ 36, 7.385, 143.855

■ 38, 5.777, 324.829

■ 35, 14.066,
143.207

■ 39, 12.160,
325.245

■ 34, 20.714,
142.467

■ 40, 18.373,
325.593

■ 34, 27.226,
141.623

■ 42, 24.401,
325.891

■ 33, 33.465,
140.680

■ 43, 30.239,
326.147

■ 33, 39.268,
139.661

■ 44, 35.887,
326.368

■ 32, 44.438,
138.614

■ 46, 41.349,
326.559

■ 32, 48.751,
137.625

■ 47, 46.632,
326.725

■ 32, 52.035,
136.791

■ 49, 51.745,
326.870

Harmonies

Complementary

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



37, 0.750, 144.572



37, 0.761, 324.314

Rectangle

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



37, 0.750, 144.572



37, 0.750, 194.572



37, 0.750, 324.572



37, 0.750, 14.572

Sweetspot

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



37, 0.751, 144.573



48, 0.006, 296.813



37, 0.613, 110.020



25, 0.004, 296.813



76, 0.009, 296.813

Same Dimension

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



37, 0.751, 144.573



48, 0.819, 144.600



37, 0.526, 163.989



18, 0.363, 144.646



39, 63.260, 136.016



81, 112.455, 136.016

Inverse Universe

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



37, 0.761, 324.314



48, 0.830, 324.288



37, 0.534, 343.319



18, 0.369, 324.243



24, 61.035, 328.233



56, 108.500, 328.233

Previews

White Background



This preview shows how the CIELCh color 37, 0.750, 144.572 looks on a white background.

Color Contrast Check

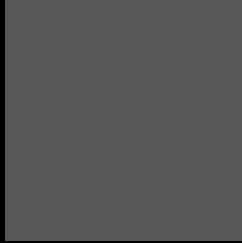
Large Text (above 18pt) WCAG AA ✓ Pass

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, 0.750, 144.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

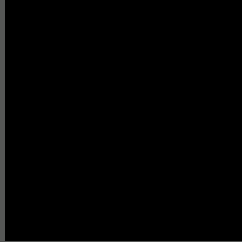
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

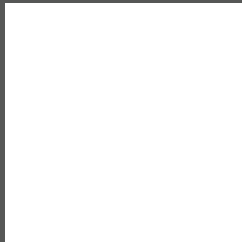
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 0.750, 144.572

Background



This preview shows how black text looks on a background with the CIELCh color 37, 0.750, 144.572.

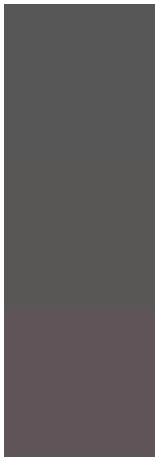


This preview shows how white text looks on a background with the CIELCh color 37, 0.750, 144.572.

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, 0.750, 144.572

Protanopia

37, 1.047, 55.193

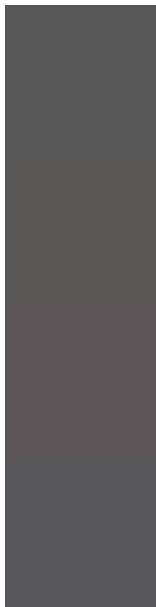
Deuteranopia

37, 5.096, 358.859



Tritanopia
37, 4.360, 296.324

Trichromacy



Original Color

37, 0.750, 144.572

Protanomaly

37, 0.742, 74.895

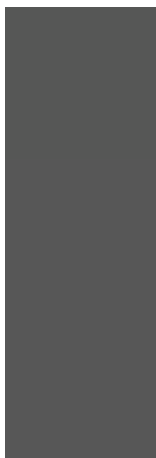
Deuteranomaly

37, 3.255, 357.534

Tritanomaly

37, 3.131, 298.341

Monochromacy



Original Color

37, 0.750, 144.572

Achromatopsia

37, 0.005, 296.813

Achromatomaly

37, 0.005, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 0.750, 144.572 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(86, 87, 86)` looks like.

```
.text, #text, p{  
    color:rgb(86, 87, 86)  
}
```

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(86, 87, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 87, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 0.750, 144.572 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(86, 87, 86) }
```

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

```
.border{ border-color:rgb(86, 87, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 87, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 87, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 87, 86);  
box-shadow:4px 4px 4px 4px rgb(86, 87, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 0.750, 144.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 87, 86) }
```

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

```
.background{ background-color: rgb(86, 87,  
86) }
```

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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