

Converting Colors

CIELCh(37, 11.172, 117.405)

Have a look what the booklet for
CIELCh(37, 11.172, 117.405)
contains.

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Color

CIELCh(37, 11.178, 117.626)

Conversions

Conversions Part 1

Format	Color
Hex	555947
RGB	85, 89, 71
RGB Percent	33%, 35%, 28%
CMY	0.6665, 0.6509, 0.7214
CMYK	0.04, 0.00, 0.20, 0.65
HSL	73°, 11%, 31%
HSV	73°, 20%, 35%
XYZ	8.4623, 9.5379, 7.3613
YIQ	85.7520, 3.3940, -6.4460

Conversions

Conversions Part 2

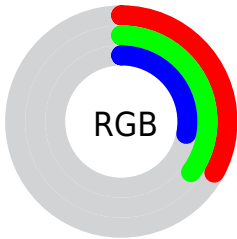
Format	Color
R_{YB}	71, 89, 75
Decimal	5593415
CIE Lab	37.00, -5.18, 9.90
CIE LCh	37, 11.178, 117.626
Yxy	9.5379, 0.3337, 0.3761
Android (android.graphics.Color)	4283783495 (0xFF555947)
YUV	85.7520, -7.2727, -0.6595
Hunter-Lab	30.8835, -5.1357, 7.4863

Details

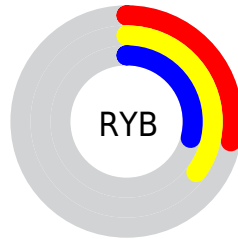
The CIELCh color $37, 11.178, 117.626$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $31, 11.624, 300.212$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 11.459, 117.049$, and $17, 11.133, 118.060$ is the 20% darker color. If you saturate the color by 10%, you get $37, 16.640, 117.016$, and if you desaturate by 10%, it is $37, 5.660, 118.242$.

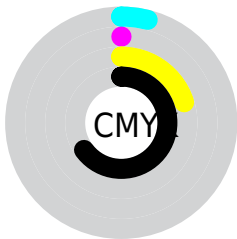
Distribution



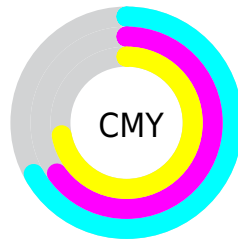
- Red (33%)
- Green (35%)
- Blue (28%)



- Red (28%)
- Yellow (35%)
- Blue (29%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (65%)





- Cyan (67%)
- Magenta (65%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 11.178, 117.626 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, 11.178, 117.626 by changing the saturation by 10% instead.


 37, 11.178,
117.626


 37, 11.178,
117.626

 100, 11.178,
117.626


 27, 11.178,
117.626

 57, 11.178,
117.626


 17, 11.178,
117.626


 67, 11.178,
117.626

 7, 11.178, 117.626

 77, 11.178,
117.626

 0, 11.178, 117.626

 87, 11.178,
117.626

 97, 11.178,
117.626

■ 37, 11.178,
117.626

■ 37, 11.178,
117.626

■ 37, 16.640,
117.016

■ 37, 5.660, 118.242

■ 38, 0.116, 118.932

■ 36, 21.995,
116.418

■ 38, 5.428, 299.411

■ 36, 27.172,
115.861

■ 39, 10.955,
299.962

■ 36, 32.069,
115.380

■ 39, 16.452,
300.483

■ 35, 36.540,
115.027

■ 40, 21.910,
300.974

■ 35, 40.392,
114.867

■ 40, 27.320,
301.433

■ 35, 43.421,
114.972

■ 41, 32.678,
301.862

■ 35, 46.232,

115.067

■ 42, 37.978,
302.262

Harmonies

Complementary

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



37, 11.178, 117.626



31, 11.624, 300.212

Rectangle

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



37, 11.178, 117.626



37, 11.178, 167.626



37, 11.178, 297.626



37, 11.178, 347.626

Sweetspot

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



37, 11.179, 117.630



48, 4.095, 118.486



33, 6.890, 40.963



24, 2.738, 118.465



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, 11.179, 117.630



47, 16.332, 117.351



36, 12.493, 135.415



17, 3.032, 118.331



42, 52.672, 115.331



87, 93.968, 116.095

Inverse Universe

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



31, 11.624, 300.212



39, 17.141, 300.569



32, 12.659, 317.044



16, 3.086, 299.393



11, 69.029, 307.846



31, 123.580, 307.349

Previews

White Background



This preview shows how the CIELCh color 37, 11.178, 117.626 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, 11.178, 117.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

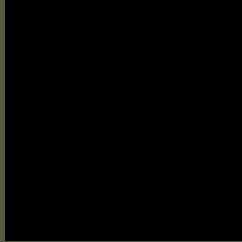
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

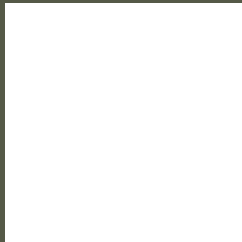
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 11.178, 117.626

Background



This preview shows how black text looks on a background with the CIELCh color 37, 11.178, 117.626.

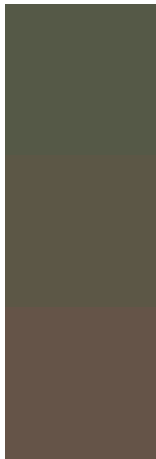


This preview shows how white text looks on a background with the CIELCh color 37, 11.178, 117.626.

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, 11.178, 117.626

Protanopia

37, 10.685, 96.095

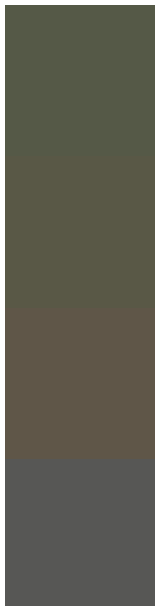
Deuteranopia

37, 10.838, 62.720



Tritanopia
37, 4.424, 301.675

Trichromacy



Original Color
37, 11.178, 117.626

Protanomaly
37, 11.039, 106.001

Deuteranomaly
37, 9.557, 83.289

Tritanomaly
37, 1.229, 109.948

Monochromacy



Original Color
37, 11.178, 117.626

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 3.725, 116.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 11.178, 117.626 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(85, 89, 71)` looks like.

```
.text, #text, p{  
    color:rgb(85, 89, 71)  
}
```

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(85, 89, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 89, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 11.178, 117.626 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(85, 89, 71) }
```

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

```
.border{ border-color:rgb(85, 89, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 89, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 89, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 89, 71);  
box-shadow:4px 4px 4px 4px rgb(85, 89, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 11.178, 117.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 89, 71) }
```

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

```
.background{ background-color: rgb(85, 89,  
71) }
```

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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