

Converting Colors

CIELCh(37, 0.815, 343.421)

Have a look what the booklet for
CIELCh(37, 0.815, 343.421) contains.

CIELCh(37, 0.426, 18.754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(37, 0.426, 18.754)

Conversions

Conversions Part 1

Format	Color
Hex	585757
RGB	88, 87, 87
RGB Percent	35%, 34%, 34%
CMY	0.6556, 0.6595, 0.6595
CMYK	0.00, 0.01, 0.01, 0.66
HSL	0°, 1%, 34%
HSV	0°, 1%, 34%
XYZ	9.1136, 9.5379, 10.3385
YIQ	87.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

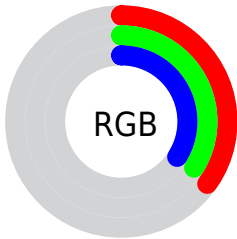
Format	Color
RYB	88, 87, 87
Decimal	5789527
CIELab	37.00, 0.40, 0.14
CIElCh	37, 0.426, 18.754
Yxy	9.5379, 0.3144, 0.3290
Android (android.graphics.Color)	4283979607 (0xFF585757)
YUV	87.2990, -0.1474, 0.6148
Hunter-Lab	30.8835, -1.3715, 1.7706

Details

The CIELCh color $[37, 0.426, 18.754]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[37, 0.421, 200.205]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 0.393, 18.383]$, and $[17, 0.480, 19.119]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 4.309, 20.122]$, and if you desaturate by 10%, it is $[40, 3.188, 199.230]$.

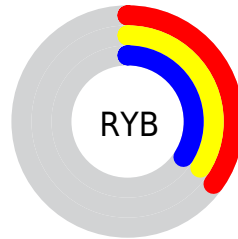
Distribution



Red (35%)

Green (34%)

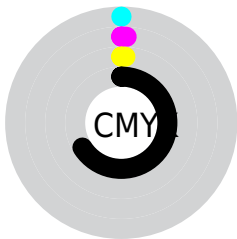
Blue (34%)



Red (35%)

Yellow (34%)

Blue (34%)

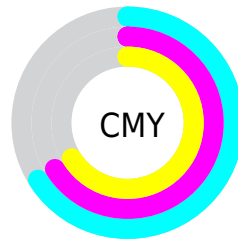


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (66%)



Cyan (66%)

Magenta (66%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 0.426, 18.754 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, 0.426, 18.754 by changing the saturation by 10% instead.

■ 37, 0.426, 18.754 ■ 37, 0.426, 18.754

100, 0.426, 18.754 ■ 27, 0.426, 18.754

■ 57, 0.426, 18.754 ■ 17, 0.426, 18.754

■ 67, 0.426, 18.754 ■ 7, 0.426, 18.754

■ 77, 0.426, 18.754 ■ 0, 0.426, 18.754

■ 87, 0.426, 18.754

■ 97, 0.426, 18.754

■ 37, 0.426, 18.754 ■ 37, 0.426, 18.754

■ 34, 4.309, 20.122 ■ 40, 3.188, 199.230

■ 31, 8.479, 20.901 ■ 43, 6.552, 198.803

29, 12.938, 21.861

46, 9.691, 198.481

26, 17.671, 23.081

49, 12.631,
198.222

24, 22.629, 24.641

52, 15.393,
198.009

21, 27.731, 26.627

19, 32.853, 29.112

55, 17.999,
197.833

18, 37.714, 31.815

58, 20.467,
197.686

17, 41.343, 33.156

60, 22.813,
197.562

63, 25.053,
197.456

Harmonies

Complementary

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



37, 0.426, 18.754



37, 0.421, 200.205

Rectangle

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



37, 0.426, 18.754



37, 0.426, 68.754



37, 0.426, 198.754



37, 0.426, 248.754

Sweetspot

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



37, 0.425, 18.888



48, 0.006, 296.813



37, 0.758, 324.312



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, 0.425, 18.888



48, 0.466, 18.809



37, 0.368, 74.743



18, 0.207, 18.659



21, 52.658, 36.614



49, 98.162, 40.013

Inverse Universe

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



37, 0.421, 200.205



48, 0.461, 200.284



37, 0.375, 256.085



18, 0.205, 200.435



41, 26.410, 196.621



84, 46.941, 196.637

Previews

White Background



This preview shows how the CIELCh color 37, 0.426, 18.754 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, 0.426, 18.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

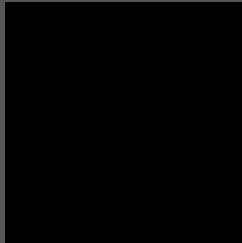
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

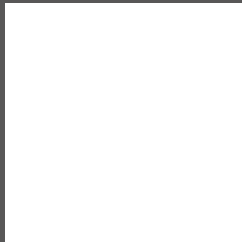
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 0.426, 18.754

Background



This preview shows how black text looks on a background with the CIELCh color 37, 0.426, 18.754.

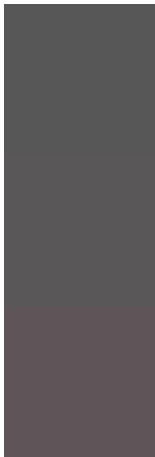


This preview shows how white text looks on a background with the CIELCh color 37, 0.426, 18.754.

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, 0.426, 18.754

Protanopia

37, 0.853, 19.170

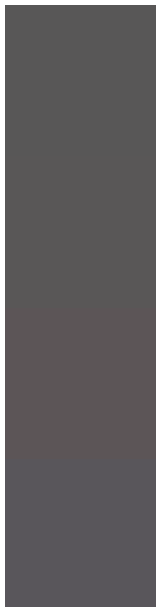
Deuteranopia

37, 5.096, 358.859



Tritanopia
37, 4.524, 306.857

Trichromacy



Original Color

37, 0.426, 18.754

Protanomaly

37, 0.853, 19.170

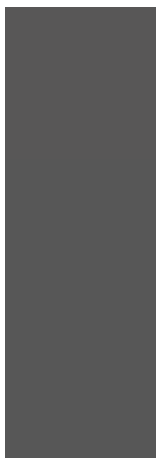
Deuteranomaly

37, 3.255, 357.534

Tritanomaly

37, 3.356, 312.668

Monochromacy



Original Color

37, 0.426, 18.754

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, 0.426, 18.754 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, 87, 87)` looks like.

```
.text, #text, p{  
  color:rgb(88, 87, 87)  
}
```

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, 87, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 87, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 0.426, 18.754 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, 87, 87) }
```

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

```
.border{ border-color:rgb(88, 87, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 87, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 87, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 87, 87);  
box-shadow:4px 4px 4px 4px rgb(88, 87, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 0.426, 18.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 87, 87) }
```

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

```
.background{ background-color: rgb(88, 87,  
87) }
```

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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