

Converting Colors

CIELCh(37, 1.749, 56.746)

Have a look what the booklet for
CIELCh(37, 1.749, 56.746) contains.

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Color

CIELCh(37, 1.823, 39.207)

Conversions

Conversions Part 1

Format	Color
Hex	5A5655
RGB	90, 86, 85
RGB Percent	35%, 34%, 33%
CMY	0.6461, 0.6618, 0.6658
CMYK	0.00, 0.04, 0.06, 0.65
HSL	12°, 3%, 34%
HSV	12°, 6%, 35%
XYZ	9.2347, 9.5379, 9.9972
YIQ	87.0820, 2.7050, 0.5370

Conversions

Conversions Part 2

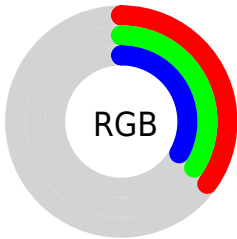
Format	Color
R_{YB}	90, 86, 85
Decimal	5920341
CIE Lab	37.00, 1.41, 1.15
CIE LCh	37, 1.823, 39.207
Yxy	9.5379, 0.3210, 0.3315
Android (android.graphics.Color)	4284110421 (0xFF5A5655)
YUV	87.0820, -1.0264, 2.5591
Hunter-Lab	30.8835, -0.6715, 2.4259

Details

The CIELCh color **37, 1.823, 39.207** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 1.768, 219.820**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 1.674, 39.157**, and **17, 1.616, 44.987** is the 20% darker color. If you saturate the color by 10%, you get **35, 5.308, 39.221**, and if you desaturate by 10%, it is **39, 1.415, 219.837**.

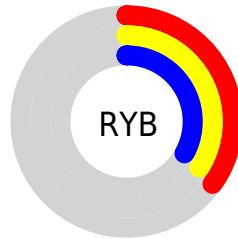
Distribution



 Red (35%)

 Green (34%)

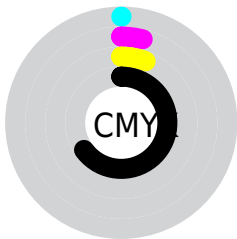
 Blue (33%)



 Red (35%)

 Yellow (34%)

 Blue (33%)

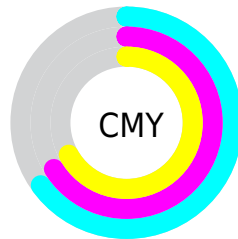


 Cyan (0%)

 Magenta (4%)

 Yellow (6%)

 Black (65%)



 Cyan (65%)

 Magenta (66%)

 Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 1.823, 39.207 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, 1.823, 39.207 by changing the saturation by 10% instead.

■ 37, 1.823, 39.207 ■ 37, 1.823, 39.207

■ 100, 1.823, 39.207 ■ 27, 1.823, 39.207

■ 57, 1.823, 39.207 ■ 17, 1.823, 39.207

■ 67, 1.823, 39.207 ■ 7, 1.823, 39.207

■ 77, 1.823, 39.207 ■ 0, 1.823, 39.207

■ 87, 1.823, 39.207

■ 97, 1.823, 39.207

■ 37, 1.823, 39.207 ■ 37, 1.823, 39.207

■ 35, 5.308, 39.221 ■ 39, 1.415, 219.837

■ 32, 9.065, 39.205 ■ 42, 4.429, 219.952

30, 13.110, 39.297

44, 7.243, 220.227

28, 17.454, 39.536

47, 9.879, 220.545

26, 22.090, 39.952

49, 12.358,
220.887

24, 26.986, 40.568

52, 14.698,
221.242

22, 32.063, 41.374

20, 36.930, 41.905

54, 16.915,
221.605

19, 40.743, 41.351

57, 19.024,
221.970

59, 21.037,
222.334

Harmonies

Complementary

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



37, 1.823, 39.207



38, 1.768, 219.820

Rectangle

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



37, 1.823, 39.207



37, 1.823, 89.207



37, 1.823, 219.207



37, 1.823, 269.207

Sweetspot

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



37, 1.823, 39.246



49, 0.805, 39.022



37, 3.277, 330.791



24, 0.453, 38.977



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, 1.823, 39.246



47, 2.876, 39.257



38, 2.235, 93.027



18, 1.504, 39.257



23, 50.676, 42.745



52, 94.408, 43.135

Inverse Universe

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



38, 1.768, 219.820



48, 2.762, 219.827



37, 2.246, 274.386



18, 1.445, 219.826



34, 23.504, 233.624



71, 41.664, 236.333

Previews

White Background



This preview shows how the CIELCh color 37, 1.823, 39.207 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 CIE LCh color 37, 1.823, 39.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

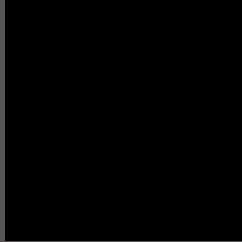
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 1.823, 39.207

Background



This preview shows how black text looks on a background with the CIELCh color 37, 1.823, 39.207.

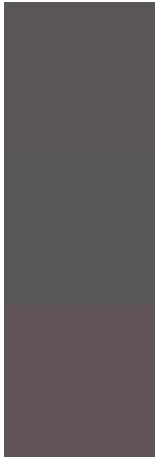


This preview shows how white text looks on a background with the CIELCh color 37, 1.823, 39.207.

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, 1.823, 39.207

Protanopia

37, 1.492, 74.783

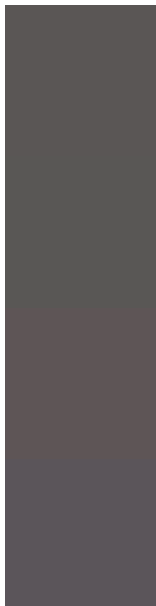
Deuteranopia

37, 5.347, 6.851



Tritanopia
37, 5.035, 320.792

Trichromacy



Original Color

37, 1.823, 39.207

Protanomaly

37, 1.492, 74.783

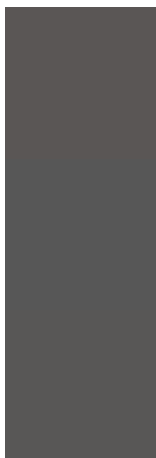
Deuteranomaly

37, 3.939, 10.924

Tritanomaly

37, 4.022, 329.715

Monochromacy



Original Color

37, 1.823, 39.207

Achromatopsia

37, 0.005, 296.813

Achromatomaly

37, 0.742, 74.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 1.823, 39.207 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(90, 86, 85)` looks like.

```
.text, #text, p{  
    color:rgb(90, 86, 85)  
}
```

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(90, 86, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 86, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 1.823, 39.207 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(90, 86, 85) }
```

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

```
.border{ border-color:rgb(90, 86, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 86, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 86, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 86, 85);  
box-shadow:4px 4px 4px 4px rgb(90, 86, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 1.823, 39.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 86, 85) }
```

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

```
.background{ background-color: rgb(90, 86,  
85) }
```

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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