

Converting Colors

CIELCh(37, 5.611, 33.797)

Have a look what the booklet for
CIELCh(37, 5.611, 33.797) contains.

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Color

CIELCh(37, 5.867, 32.214)

Conversions

Conversions Part 1

Format	Color
Hex	615452
RGB	97, 84, 82
RGB Percent	38%, 33%, 32%
CMY	0.6188, 0.6698, 0.6776
CMYK	0.00, 0.13, 0.15, 0.62
HSL	8°, 8%, 35%
HSV	8°, 15%, 38%
XYZ	9.6694, 9.5379, 9.3549
YIQ	87.6590, 8.3900, 2.1340

Conversions

Conversions Part 2

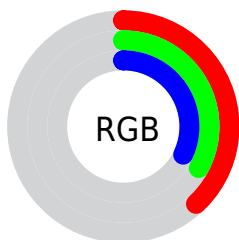
Format	Color
RYB	97, 84, 82
Decimal	6378578
CIELab	37.00, 4.96, 3.13
CIELCh	37, 5.867, 32.214
Yxy	9.5379, 0.3385, 0.3339
Android (android.graphics.Color)	4284568658 (0xFF615452)
YUV	87.6590, -2.7899, 8.1921
Hunter-Lab	30.8835, 1.8407, 3.6590

Details

The CIELCh color $[37, 5.867, 32.214]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[39, 5.334, 212.129]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 5.900, 36.634]$, and $[17, 5.763, 34.448]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 10.051, 32.538]$, and if you desaturate by 10%, it is $[40, 1.988, 31.955]$.

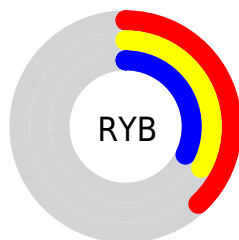
Distribution



Red (38%)

Green (33%)

Blue (32%)



Red (38%)

Yellow (33%)

Blue (32%)

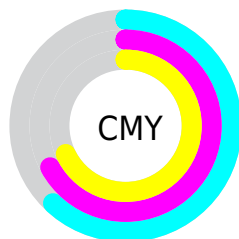


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (62%)



Cyan (62%)

Magenta (67%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 5.867, 32.214 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, 5.867, 32.214 by changing the saturation by 10% instead.

 37, 5.867, 32.214  37, 5.867, 32.214

 100, 5.867, 32.214  27, 5.867, 32.214

 57, 5.867, 32.214  17, 5.867, 32.214

 67, 5.867, 32.214  7, 5.867, 32.214

 77, 5.867, 32.214  0, 5.867, 32.214

 87, 5.867, 32.214

 97, 5.867, 32.214

 37, 5.867, 32.214  37, 5.867, 32.214

 34, 10.051, 32.538  40, 1.988, 31.955

 32, 14.556, 32.997  42, 1.608, 212.257

■ 29, 19.384, 33.654

■ 45, 4.946, 212.126

■ 27, 24.514, 34.556

■ 48, 8.054, 212.162

■ 25, 29.892, 35.742

■ 51, 10.958,
212.253

■ 23, 35.414, 37.216

■ 54, 13.680,
212.380

■ 21, 40.746, 38.664

■ 20, 44.829, 38.946

■ 57, 16.242,
212.531

■ 19, 46.490, 39.283

■ 59, 18.663,
212.698

■ 62, 20.960,
212.877

Harmonies

Complementary

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



37, 5.867, 32.214



39, 5.334, 212.129

Rectangle

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



37, 5.867, 32.214



37, 5.867, 82.214



37, 5.867, 212.214



37, 5.867, 262.214

Sweetspot

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



37, 5.866, 32.227



52, 2.282, 31.942



37, 10.231, 329.142



26, 1.546, 31.962



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 5.866, 32.227



47, 9.172, 32.342



39, 6.273, 86.522



19, 2.072, 32.064



23, 52.932, 40.453



51, 97.436, 41.514

Inverse Universe

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



39, 5.334, 212.129



51, 8.111, 212.156



37, 6.221, 270.372



19, 1.966, 212.147



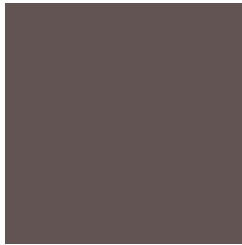
37, 23.959, 219.888



77, 41.749, 221.586

Previews

White Background



This preview shows how the CIE LCh color 37, 5.867, 32.214 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, 5.867, 32.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

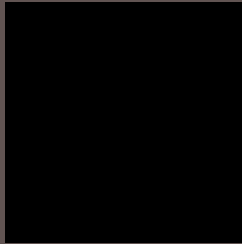
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 5.867, 32.214

Background



This preview shows how black text looks on a background with the CIELCh color 37, 5.867, 32.214.



This preview shows how white text looks on a background with the CIELCh color 37, 5.867, 32.214.

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, 5.867, 32.214

Protanopia

37, 2.029, 84.691

Deuteranopia

37, 5.867, 32.214



Tritanopia
37, 7.743, 346.716

Trichromacy



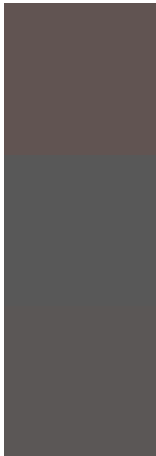
Original Color
37, 5.867, 32.214

Protanomaly
37, 3.193, 54.899

Deuteranomaly
37, 5.867, 32.214

Tritanomaly
37, 6.946, 359.681

Monochromacy



Original Color
37, 5.867, 32.214

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 1.819, 39.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 5.867, 32.214 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(97, 84, 82)` looks like.

```
.text, #text, p{  
    color:rgb(97, 84, 82)  
}
```

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(97, 84, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 84, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 5.867, 32.214 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(97, 84, 82) }
```

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

```
.border{ border-color:rgb(97, 84, 82) }
```

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

Here you see how a box with a 4 pixel rgb(97, 84, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 84, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 84, 82);  
box-shadow:4px 4px 4px 4px rgb(97, 84, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 5.867, 32.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 84, 82) }
```

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

```
.background{ background-color: rgb(97, 84,  
82) }
```

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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