

Converting Colors

CIELCh(37, 12.206, 332.005)

Have a look what the booklet for
CIELCh(37, 12.206, 332.005)
contains.

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Color

CIELCh(37, 12.228, 332.015)

Conversions

Conversions Part 1

Format	Color
Hex	645160
RGB	100, 81, 96
RGB Percent	39%, 32%, 38%
CMY	0.6061, 0.6806, 0.6218
CMYK	0.00, 0.19, 0.04, 0.61
HSL	313°, 10%, 36%
HSV	313°, 19%, 39%
XYZ	10.4127, 9.5379, 12.4669
YIQ	88.3910, 6.5090, 8.6930

Conversions

Conversions Part 2

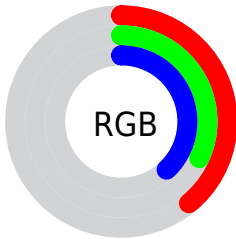
Format	Color
R_{YB}	100, 81, 96
Decimal	6574432
CIE _{Lab}	37.00, 10.80, -5.74
CIE _{LCh}	37, 12.228, 332.015
Yxy	9.5379, 0.3212, 0.2942
Android (android.graphics.Color)	4284764512 (0xFF645160)
YUV	88.3910, 3.7512, 10.1811
Hunter-Lab	30.8835, 6.1372, -2.3154

Details

The CIELCh color $[37, 12.228, 332.015]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 12.177, 149.684]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 12.285, 332.755]$, and $[17, 12.474, 331.403]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 18.711, 332.649]$, and if you desaturate by 10%, it is $[40, 5.737, 331.393]$.

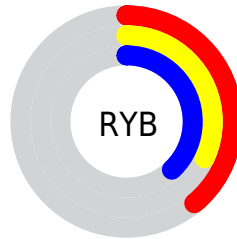
Distribution



 Red (39%)

 Green (32%)

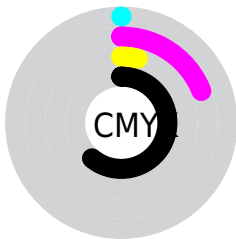
 Blue (38%)



 Red (39%)

 Yellow (32%)

 Blue (38%)

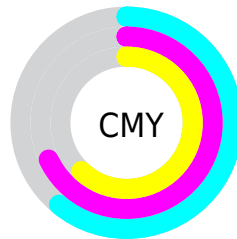


 Cyan (0%)

 Magenta (19%)

 Yellow (4%)

 Black (61%)



 Cyan (61%)


 Magenta (68%)


 Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 12.228, 332.015 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, 12.228, 332.015 by changing the saturation by 10% instead.


 37, 12.228,
332.015


 37, 12.228,
332.015

 100, 12.228,
332.015


 27, 12.228,
332.015

 57, 12.228,
332.015


 17, 12.228,
332.015


 67, 12.228,
332.015

 7, 12.228, 332.015

 77, 12.228,
332.015

 0, 12.228, 332.015

 87, 12.228,
332.015

 97, 12.228,
332.015

■ 37, 12.228,
332.015

■ 37, 12.228,
332.015

■ 34, 18.711,
332.649

■ 40, 5.737, 331.393

■ 32, 25.071,
333.302

■ 43, 0.677, 151.123

■ 46, 6.965, 150.314

■ 29, 31.141,
333.978

■ 49, 13.098,
149.769

■ 27, 36.710,
334.680

■ 52, 19.062,
149.258

■ 25, 41.526,
335.420

■ 55, 24.852,
148.775

■ 23, 45.332,
336.212

■ 58, 30.471,
148.317

■ 22, 47.919,
337.083

■ 61, 35.924,
147.885

■ 21, 49.790,

337.994

■ 65, 41.221,
147.477

■ 21, 50.001,
338.088

Harmonies

Complementary

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



37, 12.228, 332.015



41, 12.177, 149.684

Rectangle

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



37, 12.228, 332.015



37, 12.228, 22.015



37, 12.228, 152.015



37, 12.228, 202.015

Sweetspot

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



37, 12.227, 332.016



52, 4.758, 331.215



36, 11.978, 299.336



27, 3.182, 331.242



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 12.227, 332.016



46, 18.391, 332.313



37, 8.958, 357.713



20, 3.653, 331.393



25, 54.811, 338.276



55, 94.198, 339.036

Inverse Universe

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



37, 12.227, 332.016



46, 18.391, 332.313



41, 8.513, 174.316



20, 3.653, 331.393



25, 54.811, 338.276



55, 94.198, 339.036

Previews

White Background



This preview shows how the CIELCh color 37, 12.228, 332.015 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, 12.228, 332.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

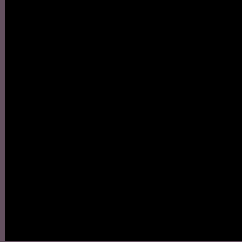
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 12.228, 332.015

Background



This preview shows how black text looks on a background with the CIELCh color 37, 12.228, 332.015.



This preview shows how white text looks on a background with the CIELCh color 37, 12.228, 332.015.

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, 12.228, 332.015

Protanopia

37, 8.054, 285.791

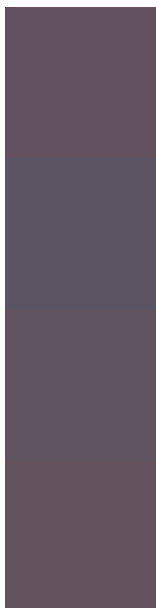
Deuteranopia

37, 7.427, 314.116



Tritanopia
37, 7.814, 352.386

Trichromacy



Original Color
37, 12.228, 332.015

Protanomaly
37, 9.035, 307.184

Deuteranomaly
37, 8.750, 322.740

Tritanomaly
37, 9.838, 342.127

Monochromacy



Original Color
37, 12.228, 332.015

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 4.757, 328.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 12.228, 332.015 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(100, 81, 96)` looks like.

```
.text, #text, p{  
    color:rgb(100, 81, 96)  
}
```

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(100, 81, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 81, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 12.228, 332.015 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(100, 81, 96) }
```

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

```
.border{ border-color:rgb(100, 81, 96) }
```

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

Here you see how a box with a 4 pixel rgb(100, 81, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 81, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 81, 96);  
box-shadow:4px 4px 4px 4px rgb(100, 81,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 12.228, 332.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 81, 96) }
```

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

```
.background{ background-color: rgb(100, 81,  
96) }
```

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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