

Converting Colors

CIELCh(37, 14.374, 293.469)

Have a look what the booklet for
CIELCh(37, 14.374, 293.469)
contains.

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Color

CIELCh(37, 14.252, 293.985)

Conversions

Conversions Part 1

Format	Color
Hex	56556C
RGB	86, 85, 108
RGB Percent	34%, 33%, 42%
CMY	0.6631, 0.6670, 0.5768
CMYK	0.20, 0.21, 0.00, 0.58
HSL	243°, 12%, 38%
HSV	243°, 21%, 42%
XYZ	9.7728, 9.5379, 15.4875
YIQ	87.9210, -6.7870, 7.3650

Conversions

Conversions Part 2

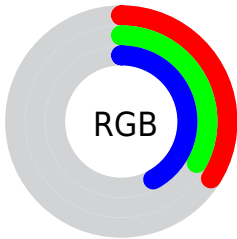
Format	Color
R_{YB}	86, 85, 108
Decimal	5657964
CIE _{Lab}	37.00, 5.79, -13.02
CIE _{LCh}	37, 14.252, 293.985
Yxy	9.5379, 0.2808, 0.2741
Android (android.graphics.Color)	4283848044 (0xFF56556C)
YUV	87.9210, 9.8989, -1.6847
Hunter-Lab	30.8835, 2.4387, -8.1143

Details

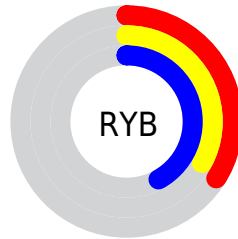
The CIELCh color $[37, 14.252, 293.985]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[45, 13.604, 110.081]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 13.718, 293.299]$, and $[17, 14.629, 293.847]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 21.355, 295.223]$, and if you desaturate by 10%, it is $[41, 7.421, 292.918]$.

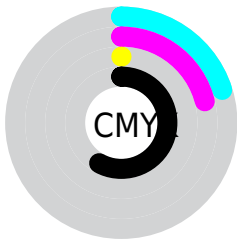
Distribution



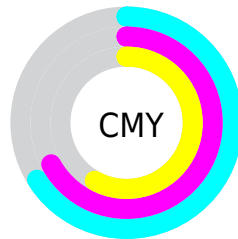
- Red (34%)
- Green (33%)
- Blue (42%)



- Red (34%)
- Yellow (33%)
- Blue (42%)



- Cyan (20%)
- Magenta (21%)
- Yellow (0%)
- Black (58%)





- Cyan (66%)
- Magenta (67%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 14.252, 293.985 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, 14.252, 293.985 by changing the saturation by 10% instead.


 37, 14.252,
293.985


 37, 14.252,
293.985

 100, 14.252,
293.985


 27, 14.252,
293.985

 57, 14.252,
293.985


 17, 14.252,
293.985


 67, 14.252,
293.985

 7, 14.252, 293.985

 77, 14.252,
293.985

 0, 14.252, 293.985

 87, 14.252,
293.985

 97, 14.252,
293.985

■ 37, 14.252,
293.985

■ 37, 14.252,
293.985

■ 33, 21.355,
295.223

■ 41, 7.421, 292.918

■ 29, 28.743,
296.652

■ 45, 0.849, 292.033

■ 49, 5.484, 111.204

■ 25, 36.402,
298.274

■ 53, 11.593,
110.530

■ 21, 44.261,
300.063

■ 57, 17.494,
109.947

■ 17, 52.119,
301.937

■ 61, 23.201,
109.442

■ 14, 59.524,
303.732


■ 65, 28.727,
109.004

■ 12, 65.691,
305.203

■ 69, 34.082,
108.622

■ 10, 70.772,

306.529

 72, 39.277,
108.289

Harmonies

Complementary

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



37, 14.252, 293.985



45, 13.604, 110.081

Rectangle

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



37, 14.252, 293.985



37, 14.252, 343.985



37, 14.252, 113.985



37, 14.252, 163.985

Sweetspot

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



37, 14.251, 293.984



55, 4.838, 292.432



44, 8.616, 201.509



28, 3.236, 292.473



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



37, 14.251, 293.984



45, 21.790, 294.630



38, 15.045, 311.131



20, 3.649, 292.690



11, 75.127, 306.507



31, 129.549, 306.377

Inverse Universe

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



39, 16.405, 326.738



49, 24.820, 327.024



44, 14.668, 129.329



21, 4.279, 326.069



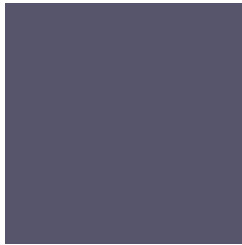
27, 63.020, 329.963



57, 108.235, 330.070

Previews

White Background



This preview shows how the CIE LCh color 37, 14.252, 293.985 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, 14.252, 293.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

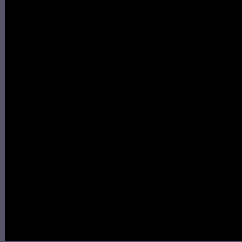
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 14.252, 293.985

Background



This preview shows how black text looks on a background with the CIELCh color 37, 14.252, 293.985.

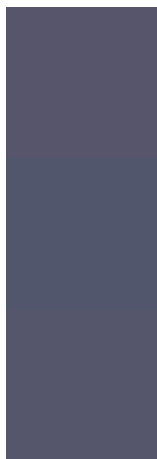


This preview shows how white text looks on a background with the CIELCh color 37, 14.252, 293.985.

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, 14.252, 293.985

Protanopia

37, 14.264, 286.364

Deuteranopia

37, 14.241, 292.447



Tritanopia
37, 4.594, 270.110

Trichromacy



Original Color
37, 14.252, 293.985

Protanomaly
37, 14.238, 287.861

Deuteranomaly
37, 14.241, 292.447

Tritanomaly
37, 8.070, 285.808

Monochromacy



Original Color
37, 14.252, 293.985

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.944, 290.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 14.252, 293.985 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(86, 85, 108)` looks like.

```
.text, #text, p{  
    color:rgb(86, 85, 108)  
}
```

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(86, 85, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 85, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 14.252, 293.985 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(86, 85, 108) }
```

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

```
.border{ border-color:rgb(86, 85, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 85, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 85, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 85, 108);  
box-shadow:4px 4px 4px 4px rgb(86, 85,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 14.252, 293.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 85, 108) }
```

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

```
.background{ background-color: rgb(86, 85,  
108) }
```

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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