

Converting Colors

CIELCh(37, 16.872, 248.386)

Have a look what the booklet for
CIELCh(37, 16.872, 248.386)
contains.

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Color

CIELCh(37, 16.895, 249.125)

Conversions

Conversions Part 1

Format	Color
Hex	395B70
RGB	57, 91, 112
RGB Percent	22%, 36%, 44%
CMY	0.7762, 0.6429, 0.5605
CMYK	0.49, 0.19, 0.00, 0.56
HSL	203°, 33%, 33%
HSV	203°, 49%, 44%
XYZ	8.3675, 9.5379, 16.7507
YIQ	83.2280, -27.0050, -0.6770

Conversions

Conversions Part 2

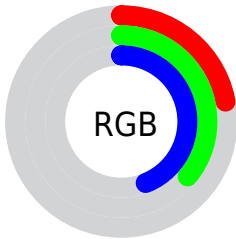
Format	Color
RYB	57, 78, 112
Decimal	3758960
CIELab	37.00, -6.02, -15.79
CIElCh	37, 16.895, 249.125
Yxy	9.5379, 0.2414, 0.2752
Android (android.graphics.Color)	4281949040 (0xFF395B70)
YUV	83.2280, 14.1846, -23.0020
Hunter-Lab	30.8835, -5.6837, -10.5394

Details

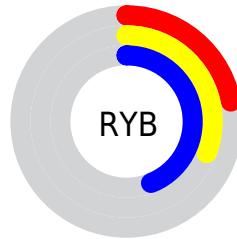
The CIELCh color $[37, 16.895, 249.125]$ is a dark color, and the websafe version is hex $\#336666$. A complement of this color would be $[36, 21.474, 57.477]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 17.080, 249.291]$, and $[17, 16.919, 250.079]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 19.810, 251.691]$, and if you desaturate by 10%, it is $[39, 13.771, 247.001]$.

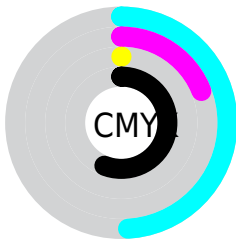
Distribution



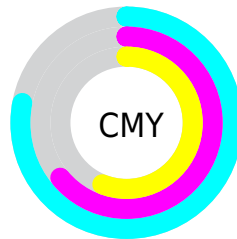
- Red (22%)
- Green (36%)
- Blue (44%)



- Red (22%)
- Yellow (31%)
- Blue (44%)



- Cyan (49%)
- Magenta (19%)
- Yellow (0%)
- Black (56%)





- Cyan (78%)
- Magenta (64%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 16.895, 249.125 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, 16.895, 249.125 by changing the saturation by 10% instead.


 37, 16.895,
249.125


 37, 16.895,
249.125

 100, 16.895,
249.125


 27, 16.895,
249.125

 57, 16.895,
249.125


 17, 16.895,
249.125


 67, 16.895,
249.125

 7, 16.895, 249.125

 77, 16.895,
249.125

 0, 16.895, 249.125

 87, 16.895,
249.125

 97, 16.895,
249.125

■ 37, 16.895,
249.125

■ 37, 16.895,
249.125

■ 35, 19.810,
251.691

■ 39, 13.771,
247.001

■ 33, 22.514,
254.765

■ 41, 10.459,
245.255

■ 31, 25.026,
258.391

■ 43, 6.983, 243.825

■ 30, 27.392,
262.566

■ 45, 3.372, 242.679

■ 28, 29.764,
266.875

■ 47, 0.345, 60.736

■ 28, 29.993,
267.246

■ 50, 4.145, 60.707

■ 52, 8.004, 60.053

■ 54, 11.905, 59.484

■ 56, 15.832, 58.997

Harmonies

Complementary

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



37, 16.895, 249.125



36, 21.474, 57.477

Rectangle

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



37, 16.895, 249.125



37, 16.895, 299.125



37, 16.895, 69.125



37, 16.895, 119.125

Sweetspot

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



37, 16.894, 249.124



56, 6.836, 243.370



43, 30.211, 152.661



29, 4.689, 243.567



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



37, 16.894, 249.124



45, 24.387, 252.109



29, 30.683, 291.341



22, 2.093, 242.672



30, 31.626, 267.655



61, 56.296, 270.771

Inverse Universe

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



32, 30.521, 341.863



39, 44.331, 343.159



44, 28.059, 98.981



22, 3.503, 338.384



25, 50.781, 350.182



54, 85.835, 351.939

Previews

White Background



This preview shows how the CIELCh color 37, 16.895, 249.125 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, 16.895, 249.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

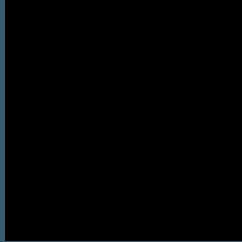
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

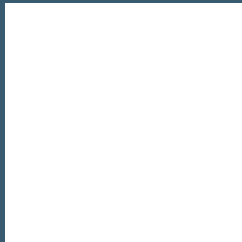
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 16.895, 249.125

Background



This preview shows how black text looks on a background with the CIELCh color 37, 16.895, 249.125.

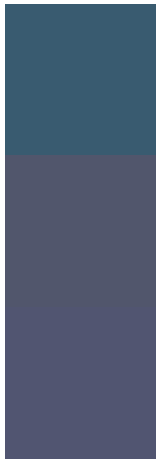


This preview shows how white text looks on a background with the CIELCh color 37, 16.895, 249.125.

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, 16.895, 249.125

Protanopia
37, 13.690, 284.409

Deuteranopia
37, 17.357, 288.063



Tritanopia
37, 14.754, 217.515

Trichromacy



Original Color
37, 16.895, 249.125

Protanomaly
37, 14.030, 267.574

Deuteranomaly
37, 16.752, 274.044

Tritanomaly
37, 15.108, 230.438

Monochromacy



Original Color
37, 16.895, 249.125

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 6.778, 246.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 16.895, 249.125 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(57, 91, 112)` looks like.

```
.text, #text, p{  
    color:rgb(57, 91, 112)  
}
```

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(57, 91, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 91, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 16.895, 249.125 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(57, 91, 112) }
```

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

```
.border{ border-color:rgb(57, 91, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 91, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 91, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 91, 112);  
box-shadow:4px 4px 4px 4px rgb(57, 91,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 16.895, 249.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 91, 112) }
```

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

```
.background{ background-color: rgb(57, 91,  
112) }
```

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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