

Converting Colors

CIELCh(36, 27.505, 310.648)

Have a look what the booklet for
CIELCh(36, 27.505, 310.648)
contains.

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Color

CIELCh(36, 27.330, 310.740)

Conversions

Conversions Part 1

Format	Color
Hex	614C76
RGB	97, 76, 118
RGB Percent	38%, 30%, 46%
CMY	0.6198, 0.7021, 0.5374
CMYK	0.18, 0.36, 0.00, 0.54
HSL	270°, 22%, 38%
HSV	270°, 36%, 46%
XYZ	10.7730, 9.0082, 18.2951
YIQ	87.0670, -0.9660, 17.5140

Conversions

Conversions Part 2

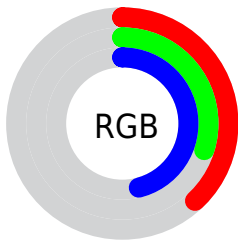
Format	Color
RYB	97, 76, 118
Decimal	6376566
CIELab	36.00, 17.84, -20.71
CIELCh	36, 27.330, 310.740
Yxy	9.0082, 0.2829, 0.2366
Android (android.graphics.Color)	4284566646 (0xFF614C76)
YUV	87.0670, 15.2500, 8.7112
Hunter-Lab	30.0136, 11.5464, -15.1313

Details


The CIELCh color $[36, 27.330, 310.740]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[47, 26.048, 127.482]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 27.207, 310.689]$, and $[16, 27.375, 310.733]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 35.295, 311.259]$, and if you desaturate by 10%, it is $[40, 19.436, 310.229]$.

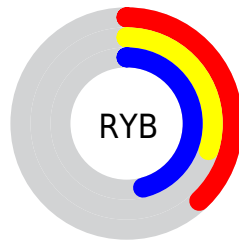
Distribution



 Red (38%)

 Green (30%)

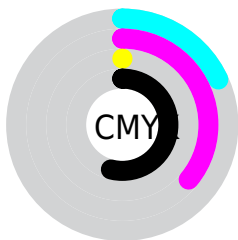
 Blue (46%)





 Red (38%)

 Yellow (30%)

 Blue (46%)

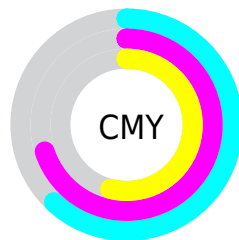


 Cyan (18%)

 Magenta (36%)

 Yellow (0%)

 Black (54%)



 Cyan (62%)


 Magenta (70%)


 Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 27.330, 310.740 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 36, 27.330, 310.740 by changing the saturation by 10% instead.


 36, 27.330,
310.740


 36, 27.330,
310.740

 100, 27.330,
310.740


 26, 27.330,
310.740

 56, 27.330,
310.740


 16, 27.330,
310.740


 66, 27.330,
310.740

 6, 27.330, 310.740

 76, 27.330,
310.740

 0, 27.330, 310.740

 86, 27.330,
310.740

 96, 27.330,
310.740

■ 36, 27.330,
310.740

■ 36, 27.330,
310.740

■ 32, 35.295,
311.259

■ 40, 19.436,
310.229

■ 29, 43.197,
311.758

■ 44, 11.695,
309.743

■ 25, 50.813,
312.190

■ 47, 4.145, 309.282

■ 22, 57.803,
312.487

■ 51, 3.194, 128.919

■ 20, 63.712,
312.561

■ 55, 10.317,
128.535

■ 18, 68.258,
312.371

■ 59, 17.226,
128.204

■ 17, 70.295,
312.343

■ 63, 23.928,
127.914

■ 67, 30.431,
127.659

■ 70, 36.746,
127.436

Harmonies

Complementary

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



36, 27.330, 310.740



47, 26.048, 127.482

Rectangle

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



36, 27.330, 310.740



36, 27.330, 0.740



36, 27.330, 130.740



36, 27.330, 180.740

Sweetspot

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



36, 27.329, 310.740



58, 10.144, 309.541



40, 14.313, 259.058



29, 6.784, 309.588



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 27.329, 310.740



43, 41.141, 311.180



38, 30.120, 325.787



23, 4.163, 309.439



18, 72.214, 312.299



40, 123.137, 311.686

Inverse Universe

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



38, 21.701, 346.888



46, 32.355, 347.891



46, 30.111, 141.611



23, 3.351, 344.315



25, 49.387, 0.358



54, 83.348, 2.890

Previews

White Background



This preview shows how the CIELCh color 36, 27.330, 310.740 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 36, 27.330, 310.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

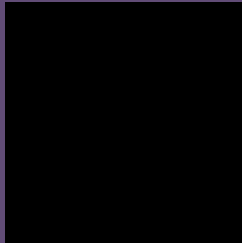
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 27.330, 310.740

Background



This preview shows how black text looks on a background with the CIELCh color 36, 27.330, 310.740.



This preview shows how white text looks on a background with the CIELCh color 36, 27.330, 310.740.

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

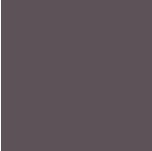
36, 27.330, 310.740

Protanopia

36, 25.572, 285.942

Deuteranopia

36, 20.002, 284.177



Tritanopia
36, 5.684, 339.357

Trichromacy



Original Color
36, 27.330, 310.740

Protanomaly
36, 26.152, 295.089

Deuteranomaly
36, 22.424, 295.589

Tritanomaly
36, 13.174, 317.647

Monochromacy



Original Color
36, 27.330, 310.740

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 9.907, 310.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 27.330, 310.740 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, 76, 118)` looks like.

```
.text, #text, p{  
    color:rgb(97, 76, 118)  
}
```

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, 76, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 76, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 27.330, 310.740 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, 76, 118) }
```

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

```
.border{ border-color:rgb(97, 76, 118) }
```

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

Here you see how a box with a 4 pixel rgb(97, 76, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 76, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 76, 118);  
box-shadow:4px 4px 4px 4px rgb(97, 76,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 27.330, 310.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 76, 118) }
```

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

```
.background{ background-color: rgb(97, 76,  
118) }
```

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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