

Converting Colors

CIELCh(37, 35.692, 340.005)

Have a look what the booklet for
CIELCh(37, 35.692, 340.005)
contains.

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Color

CIELCh(37, 35.405, 340.064)

Conversions

Conversions Part 1

Format	Color
Hex	81416B
RGB	129, 65, 107
RGB Percent	51%, 25%, 42%
CMY	0.4936, 0.7446, 0.5799
CMYK	0.00, 0.50, 0.17, 0.49
HSL	321°, 33%, 38%
HSV	321°, 50%, 51%
XYZ	13.6332, 9.5379, 15.0688
YIQ	88.9240, 24.6620, 26.6300

Conversions

Conversions Part 2

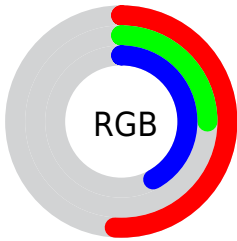
Format	Color
R_{YB}	129, 65, 107
Decimal	8470891
CIE _{Lab}	37.00, 33.28, -12.07
CIE _{LCh}	37, 35.405, 340.064
Yxy	9.5379, 0.3565, 0.2494
Android (android.graphics.Color)	4286660971 (0xFF81416B)
YUV	88.9240, 8.9115, 35.1467
Hunter-Lab	30.8835, 24.7506, -7.3105

Details

The CIELCh color $[37, 35.405, 340.064]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[49, 34.860, 151.571]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 35.184, 340.152]$, and $[17, 35.571, 340.020]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 41.584, 341.112]$, and if you desaturate by 10%, it is $[40, 28.598, 339.127]$.

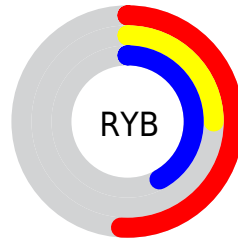
Distribution



Red (51%)

Green (25%)

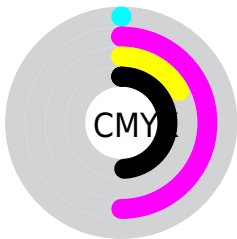
Blue (42%)



Red (51%)

Yellow (25%)

Blue (42%)

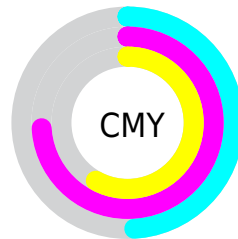


Cyan (0%)

Magenta (50%)

Yellow (17%)

Black (49%)



Cyan (49%)


Magenta (74%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 35.405, 340.064 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, 35.405, 340.064 by changing the saturation by 10% instead.


 37, 35.405,
340.064


 37, 35.405,
340.064

 100, 35.405,
340.064

 27, 35.405,
340.064

 57, 35.405,
340.064


 17, 35.405,
340.064


 67, 35.405,
340.064

 7, 35.405, 340.064

 77, 35.405,
340.064

 0, 35.405, 340.064

 87, 35.405,
340.064

 97, 35.405,
340.064

■ 37, 35.405,
340.064

■ 37, 35.405,
340.064

■ 34, 41.584,
341.112

■ 40, 28.598,
339.127

■ 32, 46.817,
342.311

■ 43, 21.446,
338.273

■ 30, 50.772,
343.721

■ 47, 14.156,
337.481

■ 29, 53.206,
345.418

■ 50, 6.874, 336.732

■ 28, 54.535,
347.361

■ 54, 0.304, 156.928

■ 28, 54.595,
347.444

■ 58, 7.320, 155.483

■ 62, 14.144,
154.866

■ 66, 20.763,
154.296

■ 69, 27.174,
153.763

Harmonies

Complementary

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



37, 35.405, 340.064



49, 34.860, 151.571

Rectangle

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



37, 35.405, 340.064



37, 35.405, 30.064



37, 35.405, 160.064



37, 35.405, 210.064

Sweetspot

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



37, 35.403, 340.065



62, 13.443, 337.163



33, 40.946, 306.381



31, 9.139, 337.294



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



37, 35.403, 340.065



45, 51.022, 341.203



36, 29.356, 12.238



25, 4.007, 336.697



27, 54.107, 347.412



0, 0.000, 0.000

Inverse Universe

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



37, 35.403, 340.065



45, 51.022, 341.203



50, 23.338, 181.364



25, 4.007, 336.697



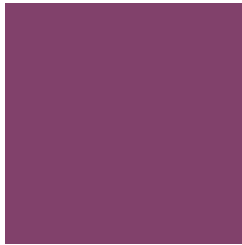
27, 54.107, 347.412



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 37, 35.405, 340.064 looks on a white background.

Color Contrast Check

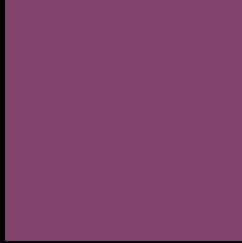
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.405, 340.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

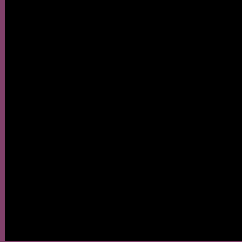
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 35.405, 340.064

Background



This preview shows how black text looks on a background with the CIELCh color 37, 35.405, 340.064.



This preview shows how white text looks on a background with the CIELCh color 37, 35.405, 340.064.

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, 35.405, 340.064

Protanopia

37, 22.945, 285.961

Deuteranopia

37, 11.170, 295.988



Tritanopia
37, 24.672, 16.573

Trichromacy



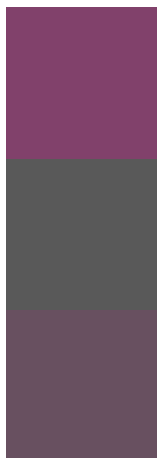
Original Color
37, 35.405, 340.064

Protanomaly
36, 25.217, 309.353

Deuteranomaly
37, 19.527, 323.638

Tritanomaly
37, 26.727, 0.214

Monochromacy



Original Color
37, 35.405, 340.064

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 14.096, 337.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 35.405, 340.064 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(129, 65, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 65, 107)  
}
```

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(129, 65, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 65, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 35.405, 340.064 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(129, 65, 107) }
```

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

```
.border{ border-color:rgb(129, 65, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 65, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 65, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 65, 107);  
box-shadow:4px 4px 4px 4px rgb(129, 65,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 35.405, 340.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 65, 107) }
```

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

```
.background{ background-color: rgb(129, 65,  
107) }
```

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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