

Converting Colors

CIELCh(37, 15.416, 327.803)

Have a look what the booklet for
CIELCh(37, 15.416, 327.803)
contains.

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Color

CIELCh(37, 15.345, 328.154)

Conversions

Conversions Part 1

Format	Color
Hex	665064
RGB	102, 80, 100
RGB Percent	40%, 31%, 39%
CMY	0.5990, 0.6853, 0.6068
CMYK	0.00, 0.22, 0.02, 0.60
HSL	305°, 12%, 36%
HSV	305°, 22%, 40%
XYZ	10.7076, 9.5379, 13.3975
YIQ	88.8580, 6.6920, 10.8840

Conversions

Conversions Part 2

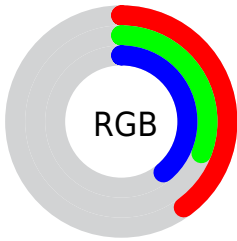
Format	Color
R_{YB}	102, 80, 100
Decimal	6705252
CIE _{Lab}	37.00, 13.04, -8.10
CIE _{LCh}	37, 15.345, 328.154
Yxy	9.5379, 0.3183, 0.2835
Android (android.graphics.Color)	4284895332 (0xFF665064)
YUV	88.8580, 5.4930, 11.5255
Hunter-Lab	30.8835, 7.8411, -4.1020




Details

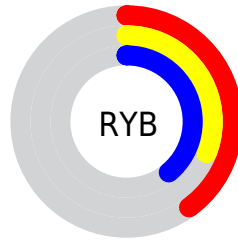
The CIELCh color $37, 15.345, 328.154$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 15.320, 145.669$, and the grayscale version is $38, 0.005, 296.813$.




A 20% lighter version of the original color is $57, 15.623, 327.636$, and $17, 15.358, 329.069$ is the 20% darker color. If you saturate the color by 10%, you get $34, 22.452, 328.705$, and if you desaturate by 10%, it is $40, 8.185, 327.599$.

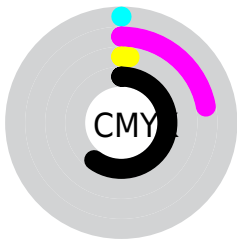
Distribution







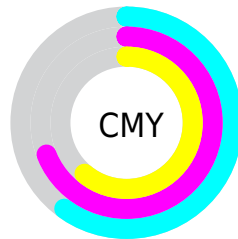
-  Red (40%)
-  Green (31%)
-  Blue (39%)






-  Red (40%)
-  Yellow (31%)
-  Blue (39%)



-  Cyan (0%)
-  Magenta (22%)
-  Yellow (2%)
-  Black (60%)





-  Cyan (60%)
-  Magenta (69%)
-  Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 15.345, 328.154 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, 15.345, 328.154 by changing the saturation by 10% instead.


 37, 15.345,
328.154


 37, 15.345,
328.154

 100, 15.345,
328.154


 27, 15.345,
328.154

 57, 15.345,
328.154


 17, 15.345,
328.154


 67, 15.345,
328.154

 7, 15.345, 328.154

 77, 15.345,
328.154

 0, 15.345, 328.154

 87, 15.345,
328.154

 97, 15.345,
328.154

37, 15.345,
328.154

37, 15.345,
328.154

34, 22.452,
328.705

40, 8.185, 327.599

32, 29.367,
329.248

43, 1.078, 326.924

29, 35.898,
329.776

46, 5.910, 146.588

27, 41.808,
330.283

49, 12.740,
146.066

25, 46.838,
330.762

52, 19.388,
145.576

24, 50.741,
331.212

55, 25.845,
145.110

23, 53.359,
331.638

58, 32.109,
144.669

22, 55.218,

61, 38.185,
144.251

331.985

 65, 44.079,
143.858

Harmonies

Complementary

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



37, 15.345, 328.154



41, 15.320, 145.669

Rectangle

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



37, 15.345, 328.154



37, 15.345, 18.154



37, 15.345, 148.154



37, 15.345, 198.154

Sweetspot

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



37, 15.344, 328.154



53, 5.261, 327.292



35, 13.789, 295.408



27, 3.462, 327.316



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, 15.344, 328.154



46, 22.951, 328.442



37, 11.018, 350.307



20, 3.974, 327.452



26, 59.861, 332.040



56, 103.381, 332.295

Inverse Universe

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



37, 15.344, 328.154



46, 22.951, 328.442



41, 10.619, 166.551



20, 3.974, 327.452



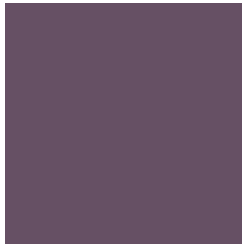
26, 59.861, 332.040



56, 103.381, 332.295

Previews

White Background



This preview shows how the CIELCh color 37, 15.345, 328.154 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, 15.345, 328.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

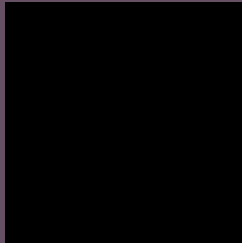
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 15.345, 328.154

Background



This preview shows how black text looks on a background with the CIELCh color 37, 15.345, 328.154.

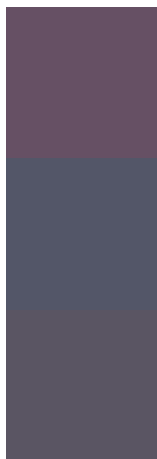


This preview shows how white text looks on a background with the CIELCh color 37, 15.345, 328.154.

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, 15.345, 328.154

Protanopia

37, 11.171, 285.980

Deuteranopia

37, 8.932, 304.656



Tritanopia
37, 9.249, 353.086

Trichromacy



Original Color
37, 15.345, 328.154

Protanomaly
37, 12.053, 303.445

Deuteranomaly
37, 10.931, 315.963

Tritanomaly
37, 11.260, 340.066

Monochromacy



Original Color
37, 15.345, 328.154

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 5.498, 328.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 15.345, 328.154 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(102, 80, 100)` looks like.

```
.text, #text, p{  
    color:rgb(102, 80, 100)  
}
```

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(102, 80, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 80, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 15.345, 328.154 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(102, 80, 100) }
```

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

```
.border{ border-color:rgb(102, 80, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 80, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 80, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 80, 100);  
box-shadow:4px 4px 4px 4px rgb(102, 80,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 15.345, 328.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 80, 100) }
```

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

```
.background{ background-color: rgb(102, 80,  
100) }
```

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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