

Converting Colors

CIELCh(37, 17.906, 325.601)

Have a look what the booklet for
CIELCh(37, 17.906, 325.601)
contains.

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Color

CIELCh(37, 18.280, 324.537)

Conversions

Conversions Part 1

Format	Color
Hex	674F68
RGB	103, 79, 104
RGB Percent	40%, 31%, 41%
CMY	0.5949, 0.6891, 0.5910
CMYK	0.01, 0.24, 0.00, 0.59
HSL	298°, 14%, 36%
HSV	298°, 24%, 41%
XYZ	10.9560, 9.5379, 14.4370
YIQ	89.0260, 6.2790, 12.8630

Conversions

Conversions Part 2

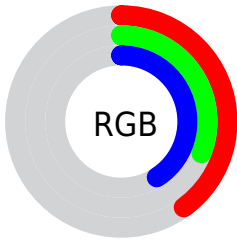
Format	Color
R_{YB}	103, 79, 104
Decimal	6770536
CIE _{Lab}	37.00, 14.89, -10.61
CIE _{LCh}	37, 18.280, 324.537
Yxy	9.5379, 0.3136, 0.2731
Android (android.graphics.Color)	4284960616 (0xFF674F68)
YUV	89.0260, 7.3822, 12.2552
Hunter-Lab	30.8835, 9.2774, -6.0977

Details

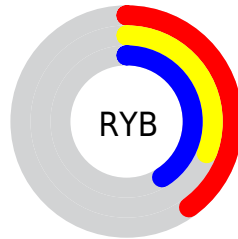
The CIELCh color $[37, 18.280, 324.537]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[42, 18.238, 141.982]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 18.366, 324.331]$, and $[17, 18.542, 325.036]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 25.858, 325.014]$, and if you desaturate by 10%, it is $[40, 10.625, 324.043]$.

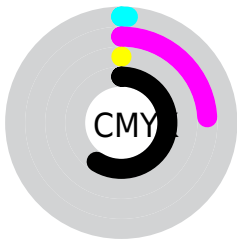
Distribution



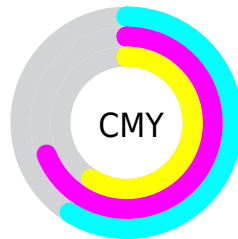
- Red (40%)
- Green (31%)
- Blue (41%)



- Red (40%)
- Yellow (31%)
- Blue (41%)



- Cyan (1%)
- Magenta (24%)
- Yellow (0%)
- Black (59%)





- Cyan (59%)
- Magenta (69%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 18.280, 324.537 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, 18.280, 324.537 by changing the saturation by 10% instead.


 37, 18.280,
324.537


 37, 18.280,
324.537

 100, 18.280,
324.537


 27, 18.280,
324.537

 57, 18.280,
324.537


 17, 18.280,
324.537


 67, 18.280,
324.537

 7, 18.280, 324.537

 77, 18.280,
324.537

 0, 18.280, 324.537

 87, 18.280,
324.537

 97, 18.280,
324.537

37, 18.280,
324.537

37, 18.280,
324.537

34, 25.858,
325.014

40, 10.625,
324.043

32, 33.205,
325.461

43, 3.009, 323.517

29, 40.111,
325.865

46, 4.492, 143.120

27, 46.328,
326.206

49, 11.831,
142.629

25, 51.584,
326.468

52, 18.980,
142.174

24, 55.639,
326.636

55, 25.925,
141.743

23, 58.441,
326.707

59, 32.662,
141.336

23, 60.011,

62, 39.195,
140.955

326.744

 65, 45.529,
140.598

Harmonies

Complementary

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



37, 18.280, 324.537



42, 18.238, 141.982

Rectangle

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



37, 18.280, 324.537



37, 18.280, 14.537



37, 18.280, 144.537



37, 18.280, 194.537

Sweetspot

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



37, 18.279, 324.537



54, 6.556, 323.697



35, 14.843, 290.791



27, 4.294, 323.715



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



37, 18.279, 324.537



46, 27.339, 324.817



37, 13.574, 342.941



20, 4.177, 323.786



25, 64.222, 326.728



56, 111.389, 326.637

Inverse Universe

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



36, 11.201, 17.968



45, 17.083, 18.609



42, 13.281, 159.125



19, 2.445, 16.603



22, 54.884, 35.771



51, 99.032, 38.850

Previews

White Background



This preview shows how the CIELCh color 37, 18.280, 324.537 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 37, 18.280, 324.537 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, 18.280, 324.537

Background



This preview shows how black text looks on a background with the CIELCh color 37, 18.280, 324.537.



This preview shows how white text looks on a background with the CIELCh color 37, 18.280, 324.537.

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, 18.280, 324.537

Protanopia

37, 14.264, 286.364

Deuteranopia

37, 11.231, 298.018



Tritanopia
37, 9.249, 353.086

Trichromacy



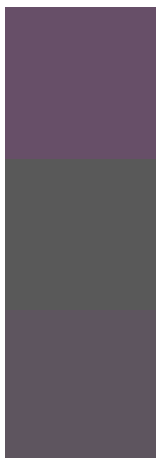
Original Color
37, 18.280, 324.537

Protanomaly
37, 14.478, 301.715

Deuteranomaly
37, 13.205, 311.599

Tritanomaly
37, 12.364, 337.054

Monochromacy



Original Color
37, 18.280, 324.537

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 7.260, 322.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 18.280, 324.537 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(103, 79, 104)` looks like.

```
.text, #text, p{  
    color:rgb(103, 79, 104)  
}
```

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(103, 79, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 79, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 18.280, 324.537 is called "border". The border property can be set on classes, ids or directly on the HTML element.

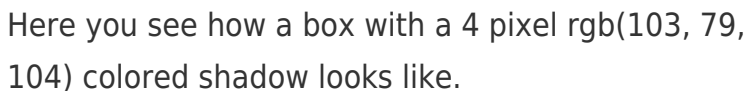
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 79, 104) }
```

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

```
.border{ border-color:rgb(103, 79, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 79, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 79, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 79, 104); box-shadow:4px 4px 4px 4px rgb(103, 79, 104) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 18.280, 324.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 79, 104) }
```

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

```
.background{ background-color: rgb(103, 79,  
104) }
```

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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