

Converting Colors

CIELCh(37, 19.095, 324.585)

Have a look what the booklet for
CIELCh(37, 19.095, 324.585)
contains.

CIELCh(37, 18.988, 324.618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 18.988, 324.618)

Conversions

Conversions Part 1

Format	Color
Hex	684F69
RGB	104, 79, 105
RGB Percent	41%, 31%, 41%
CMY	0.5925, 0.6905, 0.5885
CMYK	0.01, 0.25, 0.00, 0.59
HSL	298°, 14%, 36%
HSV	298°, 25%, 41%
XYZ	11.0362, 9.5379, 14.6028
YIQ	89.4390, 6.5540, 13.3860

Conversions

Conversions Part 2

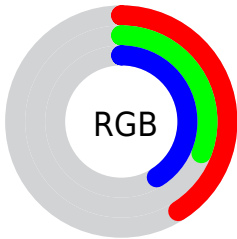
Format	Color
R_{YB}	104, 79, 105
Decimal	6836073
CIE _{Lab}	37.00, 15.48, -10.99
CIE _{LCh}	37, 18.988, 324.618
Yxy	9.5379, 0.3137, 0.2711
Android (android.graphics.Color)	4285026153 (0xFF684F69)
YUV	89.4390, 7.6716, 12.7700
Hunter-Lab	30.8835, 9.7408, -6.4160

Details

The CIELCh color $[37, 18.988, 324.618]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[42, 18.946, 141.961]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 19.035, 324.396]$, and $[17, 19.099, 323.908]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 26.593, 325.094]$, and if you desaturate by 10%, it is $[40, 11.293, 324.124]$.

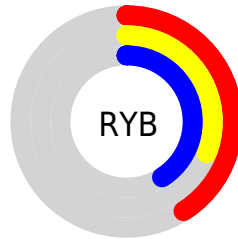
Distribution



Red (41%)

Green (31%)

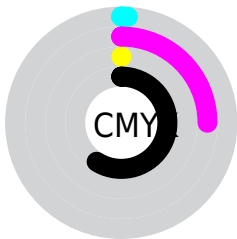
Blue (41%)



Red (41%)

Yellow (31%)

Blue (41%)

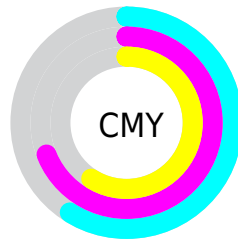


Cyan (1%)

Magenta (25%)

Yellow (0%)

Black (59%)



Cyan (59%)


Magenta (69%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 18.988, 324.618 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, 18.988, 324.618 by changing the saturation by 10% instead.


 37, 18.988,
324.618


 37, 18.988,
324.618

 100, 18.988,
324.618


 27, 18.988,
324.618

 57, 18.988,
324.618


 17, 18.988,
324.618


 67, 18.988,
324.618

 7, 18.988, 324.618

 77, 18.988,
324.618

 0, 18.988, 324.618

 87, 18.988,
324.618

 97, 18.988,
324.618

■ 37, 18.988,
324.618

■ 37, 18.988,
324.618

■ 34, 26.593,
325.094

■ 40, 11.293,
324.124

■ 32, 33.950,
325.540

■ 43, 3.629, 323.604

■ 46, 3.924, 143.202

■ 29, 40.843,
325.940

■ 49, 11.317,
142.704

■ 27, 47.018,
326.277

■ 52, 18.520,
142.245

■ 26, 52.205,
326.534

■ 55, 25.519,
141.811

■ 24, 56.164,
326.695


■ 59, 32.310,
141.401

■ 23, 58.903,
326.764

■ 62, 38.893,
141.017

■ 23, 60.263,

326.797

 65, 45.276,
140.657

Harmonies

Complementary

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



37, 18.988, 324.618



42, 18.946, 141.961

Rectangle

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



37, 18.988, 324.618



37, 18.988, 14.618



37, 18.988, 144.618



37, 18.988, 194.618

Sweetspot

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



37, 18.987, 324.618



54, 6.559, 323.737



35, 15.434, 290.900



27, 4.296, 323.755



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, 18.987, 324.618



45, 28.286, 324.908



37, 14.100, 343.014



21, 4.355, 323.831



26, 65.232, 326.779



56, 112.265, 326.694

Inverse Universe

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



36, 11.662, 18.166



44, 17.733, 18.843



42, 13.786, 159.049



21, 2.548, 16.729



23, 55.946, 36.056



51, 99.892, 38.905

Previews

White Background



This preview shows how the CIELCh color 37, 18.988, 324.618 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, 18.988, 324.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

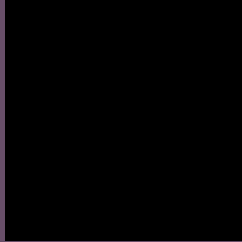
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 18.988, 324.618

Background



This preview shows how black text looks on a background with the CIELCh color 37, 18.988, 324.618.



This preview shows how white text looks on a background with the CIELCh color 37, 18.988, 324.618.

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, 18.988, 324.618

Protanopia

37, 14.909, 285.324

Deuteranopia

37, 11.845, 297.770



Tritanopia
37, 9.408, 357.791

Trichromacy



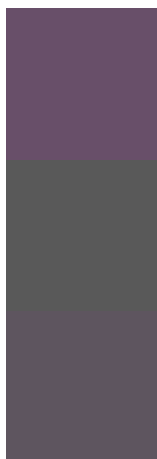
Original Color
37, 18.988, 324.618

Protanomaly
37, 15.725, 301.108

Deuteranomaly
37, 13.784, 310.755

Tritanomaly
37, 12.279, 340.639

Monochromacy



Original Color
37, 18.988, 324.618

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, 18.988, 324.618 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(104, 79, 105)` looks like.

```
.text, #text, p{  
    color:rgb(104, 79, 105)  
}
```

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(104, 79, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 79, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 18.988, 324.618 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(104, 79, 105) }
```

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

```
.border{ border-color:rgb(104, 79, 105) }
```

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

Here you see how a box with a 4 pixel rgb(104, 79, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 79, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 79, 105);  
box-shadow:4px 4px 4px 4px rgb(104, 79,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 18.988, 324.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 79, 105) }
```

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

```
.background{ background-color: rgb(104, 79,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor