

Converting Colors

CIELCh(36, 17.542, 316.913)

Have a look what the booklet for
CIELCh(36, 17.542, 316.913)
contains.

CIELCh(36, 17.762, 316.487)	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(36, 17.762, 316.487)

Conversions

Conversions Part 1

Format	Color
Hex	604E68
RGB	96, 78, 104
RGB Percent	38%, 31%, 41%
CMY	0.6222, 0.6928, 0.5908
CMYK	0.08, 0.25, 0.00, 0.59
HSL	282°, 14%, 36%
HSV	282°, 25%, 41%
XYZ	10.1246, 9.0082, 14.3945
YIQ	86.3460, 2.3820, 11.9020

Conversions

Conversions Part 2

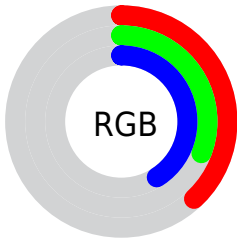
Format	Color
R_{YB}	96, 78, 104
Decimal	6311528
CIE _{Lab}	36.00, 12.88, -12.23
CIE _{LCh}	36, 17.762, 316.487
Yxy	9.0082, 0.3020, 0.2687
Android (android.graphics.Color)	4284501608 (0xFF604E68)
YUV	86.3460, 8.7034, 8.4666
Hunter-Lab	30.0136, 7.6905, -7.4259

Details

The CIELCh color $36, 17.762, 316.487$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $42, 17.442, 134.416$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 17.809, 316.927$, and $16, 17.373, 315.692$ is the 20% darker color. If you saturate the color by 10%, you get $33, 25.027, 316.898$, and if you desaturate by 10%, it is $39, 10.547, 316.072$.

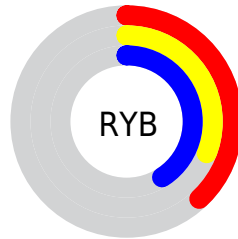
Distribution



Red (38%)

Green (31%)

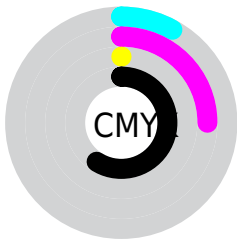
Blue (41%)



Red (38%)

Yellow (31%)

Blue (41%)

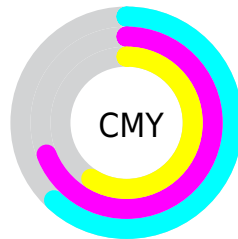


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (59%)



Cyan (62%)


Magenta (69%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 17.762, 316.487 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, 17.762, 316.487 by changing the saturation by 10% instead.


 36, 17.762,
316.487


 36, 17.762,
316.487

 100, 17.762,
316.487


 26, 17.762,
316.487

 56, 17.762,
316.487


 16, 17.762,
316.487


 66, 17.762,
316.487

 6, 17.762, 316.487

 76, 17.762,
316.487

 0, 17.762, 316.487

 86, 17.762,
316.487

 96, 17.762,
316.487

■ 36, 17.762,
316.487

■ 36, 17.762,
316.487

■ 33, 25.027,
316.898

■ 39, 10.547,
316.072

■ 30, 32.241,
317.289

■ 43, 3.449, 315.651

■ 46, 3.494, 135.336

■ 27, 39.249,
317.632

■ 49, 10.262,
134.960

■ 24, 45.826,
317.892

■ 52, 16.848,
134.627

■ 22, 51.682,
318.022

■ 56, 23.250,
134.325

■ 20, 56.482,
317.967


■ 59, 29.471,
134.050

■ 18, 60.120,
317.718

■ 62, 35.517,
133.802

■ 17, 61.998,

317.626

 66, 41.396,
133.579

Harmonies

Complementary

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



36, 17.762, 316.487



42, 17.442, 134.416

Rectangle

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



36, 17.762, 316.487



36, 17.762, 6.487



36, 17.762, 136.487



36, 17.762, 186.487

Sweetspot

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



36, 17.761, 316.487



54, 6.069, 315.750



37, 11.351, 275.836



27, 3.976, 315.765



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



36, 17.761, 316.487



44, 26.531, 316.731



37, 16.958, 331.410



19, 3.869, 315.822



20, 66.358, 317.525



45, 115.463, 316.961

Inverse Universe

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



36, 12.337, 357.871



45, 18.512, 358.598



42, 16.896, 148.284



19, 2.651, 356.154



23, 47.886, 17.777



51, 84.517, 21.488

Previews

White Background



This preview shows how the CIELCh color 36, 17.762, 316.487 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, 17.762, 316.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

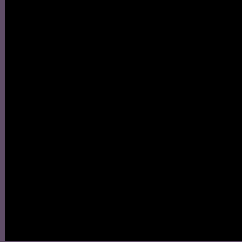
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 17.762, 316.487

Background



This preview shows how black text looks on a background with the CIELCh color 36, 17.762, 316.487.



This preview shows how white text looks on a background with the CIELCh color 36, 17.762, 316.487.

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, 17.762, 316.487

Protanopia

36, 14.967, 285.390

Deuteranopia

36, 12.451, 293.994



Tritanopia
36, 7.074, 342.652

Trichromacy



Original Color

36, 17.762, 316.487

Protanomaly

36, 15.623, 296.905

Deuteranomaly

36, 14.027, 303.718

Tritanomaly

36, 10.754, 327.101

Monochromacy



Original Color

36, 17.762, 316.487

Achromatopsia

37, 0.005, 296.813

Achromatomaly

37, 6.144, 315.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 17.762, 316.487 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(96, 78, 104)` looks like.

```
.text, #text, p{  
    color:rgb(96, 78, 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(96, 78, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 78, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 17.762, 316.487 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(96, 78, 104) }
```

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

```
.border{ border-color:rgb(96, 78, 104) }
```

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

Here you see how a box with a 4 pixel rgb(96, 78, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 78, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 78, 104);  
box-shadow:4px 4px 4px 4px rgb(96, 78,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 17.762, 316.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 78, 104) }
```

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

```
.background{ background-color: rgb(96, 78,  
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](#).

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