

Converting Colors

CIELCh(36, 15.739, 309.516)

Have a look what the booklet for
CIELCh(36, 15.739, 309.516)
contains.

CIELCh(36, 15.740, 310.088)	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, 15.740, 310.088)

Conversions

Conversions Part 1

Format	Color
Hex	5C5068
RGB	92, 80, 104
RGB Percent	36%, 31%, 41%
CMY	0.6393, 0.6863, 0.5922
CMYK	0.12, 0.23, 0.00, 0.59
HSL	270°, 13%, 36%
HSV	270°, 23%, 41%
XYZ	9.7769, 9.0082, 14.3152
YIQ	86.3240, -0.5520, 10.0080

Conversions

Conversions Part 2

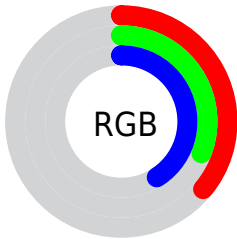
Format	Color
R_{YB}	92, 80, 104
Decimal	6049896
CIE _{Lab}	36.00, 10.14, -12.04
CIE _{LCh}	36, 15.740, 310.088
Yxy	9.0082, 0.2954, 0.2721
Android (android.graphics.Color)	4284239976 (0xFF5C5068)
YUV	86.3240, 8.7143, 4.9779
Hunter-Lab	30.0136, 5.6223, -7.2692

Details

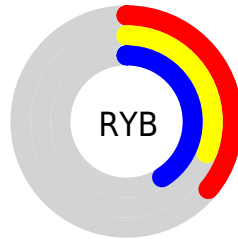
The CIELCh color $[36, 15.740, 310.088]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[42, 15.279, 128.079]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 15.757, 309.820]$, and $[16, 16.190, 310.692]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 22.820, 310.585]$, and if you desaturate by 10%, it is $[39, 8.805, 309.616]$.

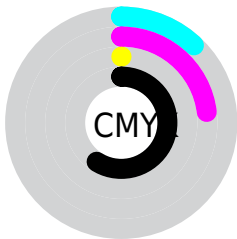
Distribution



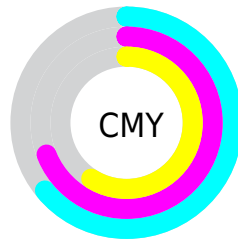
- Red (36%)
- Green (31%)
- Blue (41%)



- Red (36%)
- Yellow (31%)
- Blue (41%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (59%)





- Cyan (64%)
- Magenta (69%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 15.740, 310.088 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, 15.740, 310.088 by changing the saturation by 10% instead.


 36, 15.740,
310.088


 36, 15.740,
310.088

 100, 15.740,
310.088


 26, 15.740,
310.088

 56, 15.740,
310.088


 16, 15.740,
310.088


 66, 15.740,
310.088

 6, 15.740, 310.088

 76, 15.740,
310.088

 0, 15.740, 310.088

 86, 15.740,
310.088

 96, 15.740,
310.088

■ 36, 15.740,
310.088

■ 36, 15.740,
310.088

■ 33, 22.820,
310.585

■ 39, 8.805, 309.616

■ 29, 29.991,
311.097

■ 43, 2.048, 309.157

■ 46, 4.519, 128.817

■ 26, 37.152,
311.600

■ 50, 10.895,
128.455

■ 23, 44.133,
312.054

■ 53, 17.082,
128.139

■ 20, 50.673,
312.402

■ 57, 23.086,
127.860

■ 17, 56.406,
312.566


■ 60, 28.915,
127.615

■ 15, 60.978,
312.477

■ 64, 34.578,
127.401

■ 14, 64.183,

312.504

 67, 40.085,
127.214

Harmonies

Complementary

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



36, 15.740, 310.088



42, 15.279, 128.079

Rectangle

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



36, 15.740, 310.088



36, 15.740, 0.088



36, 15.740, 130.088



36, 15.740, 180.088

Sweetspot

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



36, 15.739, 310.087



53, 5.800, 309.351



39, 8.453, 256.719



27, 3.800, 309.366



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, 15.739, 310.087



44, 23.844, 310.369



37, 17.663, 325.151



19, 3.700, 309.427



16, 68.907, 312.376



39, 120.251, 311.705

Inverse Universe

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



37, 12.613, 345.560



46, 19.045, 346.118



42, 17.641, 142.625



20, 2.978, 344.292



23, 47.193, 0.050



52, 81.419, 2.808

Previews

White Background



This preview shows how the CIELCh color 36, 15.740, 310.088 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 36, 15.740, 310.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

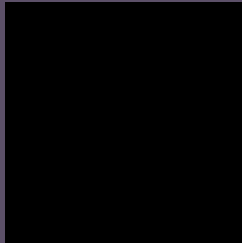
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 15.740, 310.088

Background



This preview shows how black text looks on a background with the CIELCh color 36, 15.740, 310.088.



This preview shows how white text looks on a background with the CIELCh color 36, 15.740, 310.088.

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

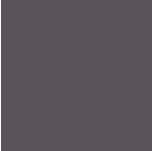
36, 15.740, 310.088

Protanopia

36, 14.355, 284.947

Deuteranopia

36, 12.451, 293.994



Tritanopia
36, 4.785, 329.002

Trichromacy



Original Color
36, 15.740, 310.088

Protanomaly
36, 14.309, 294.025

Deuteranomaly
36, 13.251, 300.817

Tritanomaly
36, 8.380, 317.787

Monochromacy



Original Color
36, 15.740, 310.088

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 5.851, 307.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 15.740, 310.088 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(92, 80, 104)` looks like.

```
.text, #text, p{  
    color:rgb(92, 80, 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(92, 80, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 80, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 15.740, 310.088 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(92, 80, 104) }
```

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

```
.border{ border-color:rgb(92, 80, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 80, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 80, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 80, 104);  
box-shadow:4px 4px 4px 4px rgb(92, 80,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 15.740, 310.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 80, 104) }
```

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

```
.background{ background-color: rgb(92, 80,  
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