

Converting Colors

CIELCh(40, 12.563, 313.721)

Have a look what the booklet for
CIELCh(40, 12.563, 313.721)
contains.

CIELCh(40, 12.613, 314.218)	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(40, 12.613, 314.218)

Conversions

Conversions Part 1

Format	Color
Hex	665A6D
RGB	102, 90, 109
RGB Percent	40%, 35%, 43%
CMY	0.5998, 0.6469, 0.5724
CMYK	0.06, 0.17, 0.00, 0.57
HSL	278°, 10%, 39%
HSV	278°, 17%, 43%
XYZ	11.9059, 11.2510, 16.0234
YIQ	95.7540, 1.0530, 8.4530

Conversions

Conversions Part 2

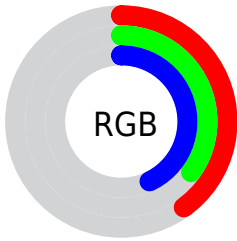
Format	Color
R_{YB}	102, 90, 109
Decimal	6707821
CIE Lab	40.00, 8.80, -9.04
CIE LCh	40, 12.613, 314.218
Yxy	11.2510, 0.3039, 0.2872
Android (android.graphics.Color)	4284897901 (0xFF665A6D)
YUV	95.7540, 6.5303, 5.4777
Hunter-Lab	33.5425, 4.6593, -4.8434

Details

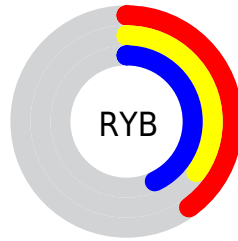
The CIELCh color $40, 12.613, 314.218$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 12.413, 132.819$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 12.383, 314.630$, and $20, 13.218, 313.948$ is the 20% darker color. If you saturate the color by 10%, you get $37, 20.037, 314.644$, and if you desaturate by 10%, it is $43, 5.316, 313.798$.

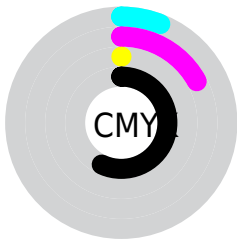
Distribution



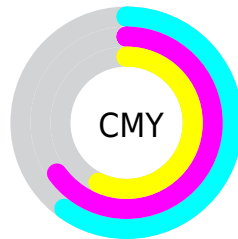
- Red (40%)
- Green (35%)
- Blue (43%)



- Red (40%)
- Yellow (35%)
- Blue (43%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (57%)





- Cyan (60%)
- Magenta (65%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.613, 314.218 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 40, 12.613, 314.218 by changing the saturation by 10% instead.


 40, 12.613,
314.218


 40, 12.613,
314.218


 100, 12.613,
314.218


 30, 12.613,
314.218

 60, 12.613,
314.218


 20, 12.613,
314.218

 70, 12.613,
314.218


 10, 12.613,
314.218

 80, 12.613,
314.218

 0, 12.613, 314.218

 90, 12.613,
314.218

 40, 12.613,

 40, 12.613,

314.218

37, 20.037,
314.644

33, 27.525,
315.070

30, 34.971,
315.478

27, 42.206,
315.834

24, 48.986,
316.098

22, 54.987,
316.212

19, 59.829,
316.108

18, 63.646,
315.838

314.218

43, 5.316, 313.798

47, 1.813, 133.489

50, 8.758, 133.088

54, 15.511,
132.756

57, 22.072,
132.458

61, 28.445,
132.190

64, 34.638,
131.950

68, 40.658,
131.738

71, 46.514,

■ 17, 64.688,
315.798

131.549

Harmonies

Complementary

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



40, 12.613, 314.218



45, 12.413, 132.819

Rectangle

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



40, 12.613, 314.218



40, 12.613, 4.218



40, 12.613, 134.218



40, 12.613, 184.218

Sweetspot

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



40, 12.612, 314.217



57, 4.457, 313.699



41, 7.587, 269.257



29, 3.021, 313.722



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 12.612, 314.217



50, 19.043, 314.394



41, 12.853, 328.735



20, 3.971, 313.862



19, 68.177, 315.714



44, 117.814, 315.110

Inverse Universe

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



40, 9.108, 352.959



51, 13.776, 353.398



44, 12.828, 146.722



21, 2.856, 352.112



24, 47.846, 12.343



52, 83.094, 15.780

Previews

White Background



This preview shows how the CIELCh color 40, 12.613, 314.218 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 × Fail

Black Background



This preview shows how the CIELCh color 40, 12.613, 314.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

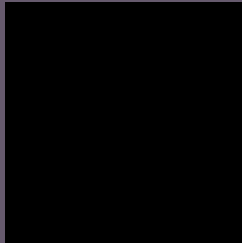
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.613, 314.218

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.613, 314.218.



This preview shows how white text looks on a background with the CIELCh color 40, 12.613, 314.218.

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

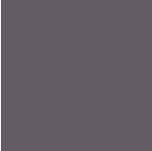
40, 12.613, 314.218

Protanopia

40, 10.399, 285.341

Deuteranopia

40, 10.601, 302.494



Tritanopia
40, 5.438, 328.449

Trichromacy



Original Color
40, 12.613, 314.218

Protanomaly
40, 10.415, 296.065

Deuteranomaly
40, 11.494, 307.866

Tritanomaly
40, 8.431, 320.279

Monochromacy



Original Color
40, 12.613, 314.218

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 4.590, 311.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.613, 314.218 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, 90, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 90, 109)  
}
```

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, 90, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 90, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.613, 314.218 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, 90, 109) }
```

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

```
.border{ border-color:rgb(102, 90, 109) }
```

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

Here you see how a box with a 4 pixel rgb(102, 90, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 90, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 90, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 90,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.613, 314.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 90, 109) }
```

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

```
.background{ background-color: rgb(102, 90,  
109) }
```

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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