

Converting Colors

CIELCh(42, 11.799, 313.671)

Have a look what the booklet for
CIELCh(42, 11.799, 313.671)
contains.

CIELCh(42, 11.800, 313.486)	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(42, 11.800, 313.486)

Conversions

Conversions Part 1

Format	Color
Hex	6A5F71
RGB	106, 95, 113
RGB Percent	42%, 37%, 44%
CMY	0.5834, 0.6266, 0.5560
CMYK	0.06, 0.16, 0.00, 0.56
HSL	277°, 9%, 41%
HSV	277°, 16%, 44%
XYZ	13.0766, 12.5000, 17.4139
YIQ	100.3410, 0.7780, 7.9300

Conversions

Conversions Part 2

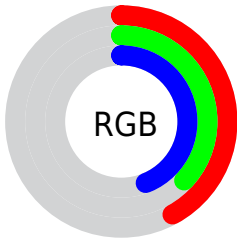
Format	Color
R_{YB}	106, 95, 113
Decimal	6971249
CIE _{Lab}	42.00, 8.12, -8.56
CIE _{LCh}	42, 11.800, 313.486
Yxy	12.5000, 0.3042, 0.2908
Android (android.graphics.Color)	4285161329 (0xFF6A5F71)
YUV	100.3410, 6.2409, 4.9629
Hunter-Lab	35.3553, 4.1487, -4.4540

Details

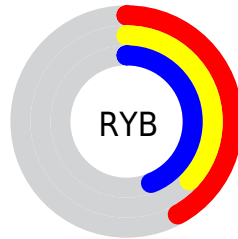
The CIELCh color $42, 11.800, 313.486$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 11.616, 132.210$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.165, 312.975$, and $22, 11.650, 314.234$ is the 20% darker color. If you saturate the color by 10%, you get $38, 19.415, 313.918$, and if you desaturate by 10%, it is $46, 4.330, 313.060$.

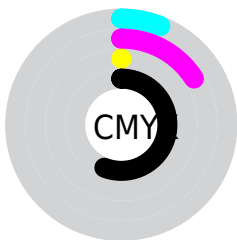
Distribution



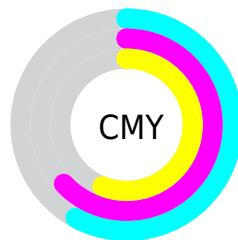
- Red (42%)
- Green (37%)
- Blue (44%)



- Red (42%)
- Yellow (37%)
- Blue (44%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (56%)



- Cyan (58%)
- Magenta (63%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 11.800, 313.486 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 42, 11.800, 313.486 by changing the saturation by 10% instead.

 42, 11.800,
313.486


 42, 11.800,
313.486

 100, 11.800,
313.486


 32, 11.800,
313.486

 62, 11.800,
313.486


 22, 11.800,
313.486

 72, 11.800,
313.486


 12, 11.800,
313.486


 82, 11.800,
313.486

 2, 11.800, 313.486

 92, 11.800,
313.486

 0, 11.800, 313.486

 42, 11.800,

 42, 11.800,

313.486

■ 38, 19.415,
313.918

■ 35, 27.121,
314.355

■ 32, 34.815,
314.779

■ 28, 42.339,
315.161

■ 25, 49.454,
315.457

■ 23, 55.832,
315.609

■ 20, 61.075,
315.548

■ 19, 65.055,
315.264

313.486

■ 46, 4.330, 313.060

■ 49, 2.958, 132.735

■ 53, 10.051,
132.358

■ 56, 16.944,
132.032

■ 60, 23.639,
131.741

■ 64, 30.141,
131.480

■ 67, 36.458,
131.249

■ 71, 42.599,
131.044

■ 18, 66.727,
315.185

■ 74, 48.573,
130.863

Harmonies

Complementary

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



42, 11.800, 313.486



46, 11.616, 132.210

Rectangle

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



42, 11.800, 313.486



42, 11.800, 3.486



42, 11.800, 133.486



42, 11.800, 183.486

Sweetspot

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



42, 11.799, 313.485



59, 4.563, 313.026



43, 7.012, 267.553



30, 3.095, 313.050



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 11.799, 313.485



53, 17.617, 313.640



43, 12.233, 328.130



22, 4.110, 313.193



19, 69.522, 315.120



43, 119.259, 314.520

Inverse Universe

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



42, 8.654, 351.498



53, 12.934, 351.867



46, 12.211, 146.321



22, 3.007, 350.820



24, 48.439, 10.565



53, 83.266, 13.819

Previews

White Background



This preview shows how the CIELCh color 42, 11.800, 313.486 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 CIE LCh color 42, 11.800, 313.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

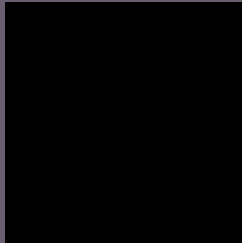
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 11.800, 313.486

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.800, 313.486.



This preview shows how white text looks on a background with the CIELCh color 42, 11.800, 313.486.

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

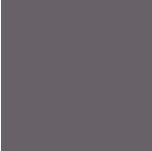
42, 11.800, 313.486

Protanopia

42, 10.297, 287.390

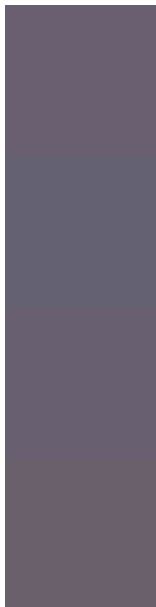
Deuteranopia

42, 9.914, 303.069



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color
42, 11.800, 313.486

Protanomaly
42, 10.381, 298.178

Deuteranomaly
42, 10.816, 308.702

Tritanomaly
42, 7.636, 319.768

Monochromacy



Original Color
42, 11.800, 313.486

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 3.995, 314.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.800, 313.486 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(106, 95, 113)` looks like.

```
.text, #text, p{  
    color:rgb(106, 95, 113)  
}
```

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(106, 95, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 95, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.800, 313.486 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(106, 95, 113) }
```

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

```
.border{ border-color:rgb(106, 95, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 95, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 95, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 95, 113);  
box-shadow:4px 4px 4px 4px rgb(106, 95,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.800, 313.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 95, 113) }
```

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

```
.background{ background-color: rgb(106, 95,  
113) }
```

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