

Converting Colors

CIELCh(42, 11.686, 316.158)

Have a look what the booklet for
CIELCh(42, 11.686, 316.158)
contains.

CIELCh(42, 11.408, 316.516)	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, 11.408, 316.516)

Conversions

Conversions Part 1

Format	Color
Hex	6B5F70
RGB	107, 95, 112
RGB Percent	42%, 37%, 44%
CMY	0.5801, 0.6271, 0.5605
CMYK	0.04, 0.15, 0.00, 0.56
HSL	282°, 8%, 41%
HSV	282°, 15%, 44%
XYZ	13.1005, 12.5000, 17.0740
YIQ	100.5260, 1.6950, 7.8310

Conversions

Conversions Part 2

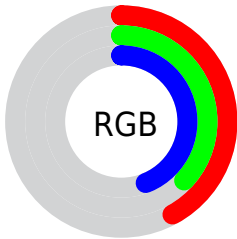
Format	Color
R_{YB}	107, 95, 112
Decimal	7036784
CIE _{Lab}	42.00, 8.28, -7.85
CIE _{LCh}	42, 11.408, 316.516
Yxy	12.5000, 0.3070, 0.2929
Android (android.graphics.Color)	4285226864 (0xFF6B5F70)
YUV	100.5260, 5.6567, 5.6777
Hunter-Lab	35.3553, 4.2691, -3.8840

Details

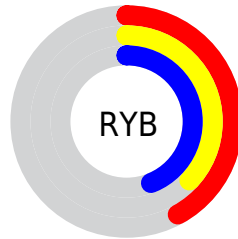
The CIELCh color $42, 11.408, 316.516$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 11.283, 135.292$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 11.798, 315.694$, and $22, 11.214, 317.651$ is the 20% darker color. If you saturate the color by 10%, you get $39, 19.081, 316.933$, and if you desaturate by 10%, it is $45, 3.850, 316.091$.

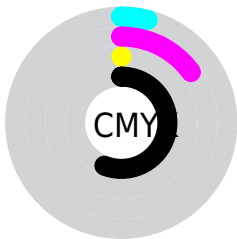
Distribution



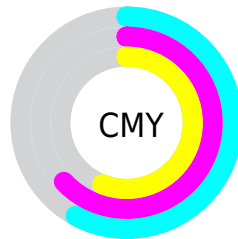
- Red (42%)
- Green (37%)
- Blue (44%)



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



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)
- Black (56%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 11.408, 316.516 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, 11.408, 316.516 by changing the saturation by 10% instead.


 42, 11.408,
316.516


 42, 11.408,
316.516


 100, 11.408,
316.516


 32, 11.408,
316.516

 62, 11.408,
316.516


 22, 11.408,
316.516

 72, 11.408,
316.516

 12, 11.408,
316.516


 82, 11.408,
316.516

 2, 11.408, 316.516

 92, 11.408,
316.516

 0, 11.408, 316.516

 42, 11.408,

 42, 11.408,

316.516

39, 19.081,
316.933

35, 26.800,
317.346

32, 34.447,
317.734

29, 41.845,
318.072

26, 48.748,
318.322

24, 54.838,
318.436

22, 59.757,
318.361

20, 63.365,
318.078

316.516

45, 3.850, 316.091

49, 3.545, 135.771

52, 10.755,
135.387

56, 17.770,
135.048

60, 24.587,
134.739

63, 31.211,
134.458

67, 37.647,
134.205

70, 43.903,
133.976

■ 19, 65.093,
317.963

■ 73, 49.988,
133.771

Harmonies

Complementary

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



42, 11.408, 316.516



46, 11.283, 135.292

Rectangle

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



42, 11.408, 316.516



42, 11.408, 6.516



42, 11.408, 136.516



42, 11.408, 186.516

Sweetspot

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



42, 11.407, 316.515



58, 4.609, 316.089



42, 7.406, 275.631



30, 3.171, 316.114



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, 11.407, 316.515



53, 16.800, 316.653



42, 10.786, 331.410



22, 4.208, 316.257



21, 68.308, 317.897



47, 117.005, 317.380

Inverse Universe

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



42, 7.784, 357.744



53, 11.501, 358.099



46, 10.749, 149.577



22, 2.854, 357.107



24, 49.718, 19.273



52, 86.494, 22.780

Previews

White Background



This preview shows how the CIELCh color 42, 11.408, 316.516 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 42, 11.408, 316.516 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, 11.408, 316.516

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.408, 316.516.



This preview shows how white text looks on a background with the CIELCh color 42, 11.408, 316.516.

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

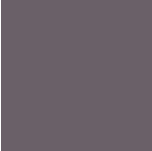
42, 11.408, 316.516

Protanopia

42, 9.695, 287.017

Deuteranopia

42, 9.419, 306.149



Tritanopia
42, 6.387, 331.049

Trichromacy



Original Color
42, 11.408, 316.516

Protanomaly
42, 9.781, 298.521

Deuteranomaly
42, 10.242, 309.678

Tritanomaly
42, 7.841, 322.425

Monochromacy



Original Color
42, 11.408, 316.516

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, 11.408, 316.516 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(107, 95, 112)` looks like.

```
.text, #text, p{  
    color:rgb(107, 95, 112)  
}
```

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(107, 95, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 95, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.408, 316.516 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(107, 95, 112) }
```

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

```
.border{ border-color:rgb(107, 95, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 95, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 95, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 95, 112);  
box-shadow:4px 4px 4px 4px rgb(107, 95,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.408, 316.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 95, 112) }
```

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

```
.background{ background-color: rgb(107, 95,  
112) }
```

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