

Converting Colors

CIELCh(42, 6.099, 300.463)

Have a look what the booklet for
CIELCh(42, 6.099, 300.463) contains.

CIELCh(42, 6.116, 298.612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 6.116, 298.612)

Conversions

Conversions Part 1

Format	Color
Hex	64626C
RGB	100, 98, 108
RGB Percent	39%, 38%, 42%
CMY	0.6082, 0.6161, 0.5769
CMYK	0.07, 0.09, 0.00, 0.58
HSL	252°, 5%, 40%
HSV	252°, 9%, 42%
XYZ	12.3033, 12.5000, 15.9225
YIQ	99.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

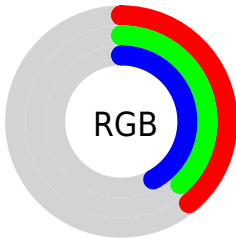
Format	Color
R_{YB}	100, 98, 108
Decimal	6578796
CIE Lab	42.00, 2.93, -5.37
CIE LCh	42, 6.116, 298.612
Yxy	12.5000, 0.3021, 0.3069
Android (android.graphics.Color)	4284768876 (0xFF64626C)
YUV	99.7380, 4.0732, 0.2298
Hunter-Lab	35.3553, 0.2446, -1.9528

Details

The CIELCh color **42, 6.116, 298.612** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 5.998, 117.401**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 5.678, 298.420**, and **22, 6.073, 295.649** is the 20% darker color. If you saturate the color by 10%, you get **38, 12.941, 299.372**, and if you desaturate by 10%, it is **46, 0.470, 117.958**.

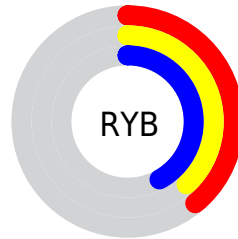
Distribution



Red (39%)

Green (38%)

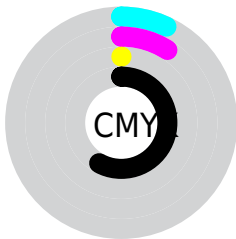
Blue (42%)



Red (39%)

Yellow (38%)

Blue (42%)

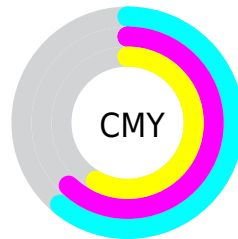


Cyan (7%)

Magenta (9%)

Yellow (0%)

Black (58%)



Cyan (61%)

Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.116, 298.612 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, 6.116, 298.612 by changing the saturation by 10% instead.

■ 42, 6.116, 298.612

■ 42, 6.116, 298.612

■ 100, 6.116,
298.612

■ 32, 6.116, 298.612

■ 62, 6.116, 298.612

■ 22, 6.116, 298.612

■ 72, 6.116, 298.612

■ 12, 6.116, 298.612

■ 82, 6.116, 298.612

■ 2, 6.116, 298.612

■ 92, 6.116, 298.612

■ 0, 6.116, 298.612

■ 42, 6.116, 298.612

■ 42, 6.116, 298.612

■ 38, 12.941,
299.372

■ 46, 0.470, 117.958

■ 34, 20.017,

■ 50, 6.824, 117.366

300.242

54, 12.961,
116.864

30, 27.339,
301.225

57, 18.895,
116.430

27, 34.876,
302.313

61, 24.638,
116.054

23, 42.549,
303.484

65, 30.201,
115.728

19, 50.174,
304.679

68, 35.597,
115.446

16, 57.391,
305.795

72, 40.834,
115.202

13, 63.600,
306.665

76, 45.925,
114.990

11, 69.169,
307.525

Harmonies

Complementary

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



42, 6.116, 298.612



45, 5.998, 117.401

Rectangle

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



42, 6.116, 298.612



42, 6.116, 348.612



42, 6.116, 118.612



42, 6.116, 168.612

Sweetspot

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



42, 6.115, 298.607



57, 2.433, 298.182



44, 3.427, 217.838



29, 1.860, 298.229



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 6.115, 298.607



53, 9.034, 298.755



42, 6.676, 315.550



20, 3.684, 298.585



12, 73.957, 307.542



32, 128.009, 307.142

Inverse Universe

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



43, 6.364, 331.035



54, 9.382, 331.162



45, 6.621, 134.850



21, 3.836, 331.016



26, 56.088, 337.678



55, 95.708, 338.364

Previews

White Background



This preview shows how the CIELCh color 42, 6.116, 298.612 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, 6.116, 298.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

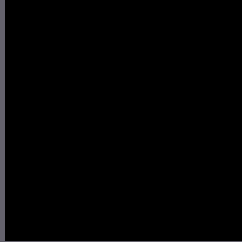
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

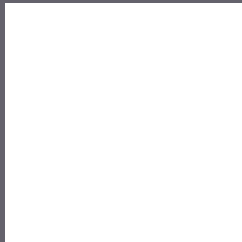
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 6.116, 298.612

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.116, 298.612.



This preview shows how white text looks on a background with the CIELCh color 42, 6.116, 298.612.

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, 6.116, 298.612

Protanopia

42, 6.052, 291.078

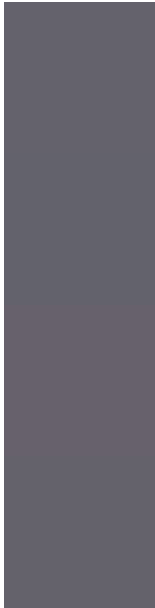
Deuteranopia

42, 8.167, 317.727



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color

42, 6.116, 298.612

Protanomaly

42, 6.071, 294.856

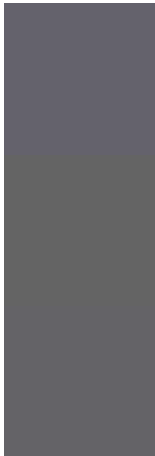
Deuteranomaly

42, 7.116, 311.043

Tritanomaly

42, 5.517, 299.381

Monochromacy



Original Color

42, 6.116, 298.612

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 2.460, 300.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 6.116, 298.612 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(100, 98, 108)` looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 108)  
}
```

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(100, 98, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.116, 298.612 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(100, 98, 108) }
```

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

```
.border{ border-color:rgb(100, 98, 108) }
```

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

Here you see how a box with a 4 pixel rgb(100, 98, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 108);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.116, 298.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 108) }
```

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

```
.background{ background-color: rgb(100, 98,  
108) }
```

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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