

Converting Colors

CIELCh(42, 19.077, 338.706)

Have a look what the booklet for
CIELCh(42, 19.077, 338.706)
contains.

CIELCh(42, 19.146, 338.522)	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, 19.146, 338.522)

Conversions

Conversions Part 1

Format	Color
Hex	7B596F
RGB	123, 89, 111
RGB Percent	48%, 35%, 44%
CMY	0.5177, 0.6510, 0.5648
CMYK	0.00, 0.28, 0.10, 0.52
HSL	321°, 16%, 42%
HSV	321°, 28%, 48%
XYZ	14.6063, 12.5000, 16.6781
YIQ	101.6740, 13.2020, 14.0500

Conversions

Conversions Part 2

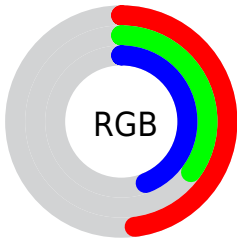
Format	Color
R_{YB}	123, 89, 111
Decimal	8083823
CIE _{Lab}	42.00, 17.82, -7.01
CIE _{LCh}	42, 19.146, 338.522
Yxy	12.5000, 0.3336, 0.2855
Android (android.graphics.Color)	4286273903 (0xFF7B596F)
YUV	101.6740, 4.5977, 18.7029
Hunter-Lab	35.3553, 11.8716, -3.2199

Details

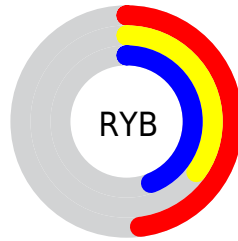
The CIELCh color $[42, 19.146, 338.522]$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $[49, 18.873, 154.345]$, and the grayscale version is $[43, 0.006, 296.813]$.

A 20% lighter version of the original color is $[62, 19.505, 337.975]$, and $[22, 18.994, 339.604]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 26.020, 339.372]$, and if you desaturate by 10%, it is $[45, 12.173, 337.736]$.

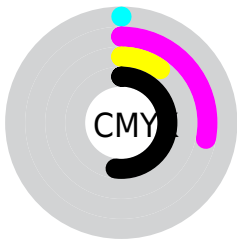
Distribution



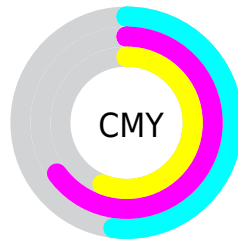
- Red (48%)
- Green (35%)
- Blue (44%)



- Red (48%)
- Yellow (35%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (10%)
- Black (52%)





- Cyan (52%)
- Magenta (65%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.146, 338.522 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, 19.146, 338.522 by changing the saturation by 10% instead.


 42, 19.146,
338.522


 42, 19.146,
338.522


 100, 19.146,
338.522


 32, 19.146,
338.522

 62, 19.146,
338.522


 22, 19.146,
338.522

 72, 19.146,
338.522

 12, 19.146,
338.522


 82, 19.146,
338.522

 2, 19.146, 338.522

 92, 19.146,
338.522

 0, 19.146, 338.522

 42, 19.146,

 42, 19.146,

338.522

338.522

39, 26.020,
339.372

45, 12.173,
337.736

36, 32.615,
340.303

49, 5.234, 336.985

33, 38.681,
341.342

52, 1.590, 156.512

56, 8.252, 155.753

31, 43.917,
342.529

60, 14.727,
155.145

29, 48.006,
343.920

63, 21.005,
154.582

27, 50.689,
345.591

67, 27.086,
154.054

26, 52.151,
347.549

71, 32.977,
153.559

26, 52.493,
348.009

75, 38.688,

Harmonies

Complementary

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



42, 19.146, 338.522



49, 18.873, 154.345

Rectangle

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



42, 19.146, 338.522



42, 19.146, 28.522



42, 19.146, 158.522



42, 19.146, 208.522

Sweetspot

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



42, 19.144, 338.523



63, 6.821, 337.027



40, 21.312, 305.269



32, 4.891, 337.125



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 19.144, 338.523



52, 28.427, 339.038



41, 15.049, 9.897



24, 3.847, 337.092



27, 53.077, 348.052



56, 88.450, 349.524

Inverse Universe

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



42, 19.144, 338.523



52, 28.427, 339.038



49, 13.265, 184.873



24, 3.847, 337.092



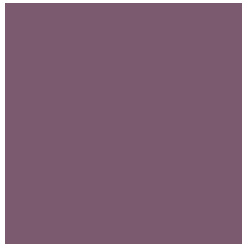
27, 53.077, 348.052



56, 88.450, 349.524

Previews

White Background



This preview shows how the CIELCh color 42, 19.146, 338.522 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, 19.146, 338.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

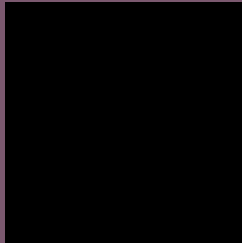
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 19.146, 338.522

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.146, 338.522.

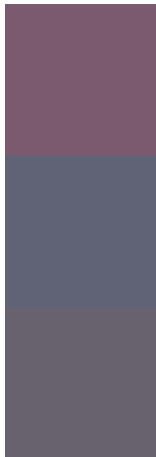


This preview shows how white text looks on a background with the CIELCh color 42, 19.146, 338.522.

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, 19.146, 338.522

Protanopia

42, 10.905, 285.716

Deuteranopia

42, 8.387, 310.878



Tritanopia
42, 13.487, 3.240

Trichromacy



Original Color
42, 19.146, 338.522

Protanomaly
42, 12.922, 311.519

Deuteranomaly
42, 11.922, 326.862

Tritanomaly
42, 15.518, 351.514

Monochromacy



Original Color
42, 19.146, 338.522

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.246, 338.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.146, 338.522 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(123, 89, 111)` looks like.

```
.text, #text, p{  
    color:rgb(123, 89, 111)  
}
```

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(123, 89, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 89, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.146, 338.522 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(123, 89, 111) }
```

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

```
.border{ border-color:rgb(123, 89, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 89, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 89, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 89, 111);  
box-shadow:4px 4px 4px 4px rgb(123, 89,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.146, 338.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 89, 111) }
```

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

```
.background{ background-color: rgb(123, 89,  
111) }
```

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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