

Converting Colors

CIELCh(42, 18.790, 296.232)

Have a look what the booklet for
CIELCh(42, 18.790, 296.232)
contains.

CIELCh(42, 18.822, 296.251)	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, 18.822, 296.251)

Conversions

Conversions Part 1

Format	Color
Hex	63607F
RGB	99, 96, 127
RGB Percent	39%, 38%, 50%
CMY	0.6125, 0.6243, 0.5027
CMYK	0.22, 0.24, 0.00, 0.50
HSL	246°, 14%, 44%
HSV	246°, 24%, 50%
XYZ	13.1077, 12.5000, 21.7320
YIQ	100.4310, -8.1630, 10.2770

Conversions

Conversions Part 2

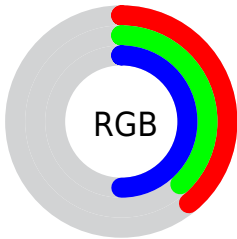
Format	Color
R_{YB}	99, 96, 127
Decimal	6512767
CIE Lab	42.00, 8.33, -16.88
CIE LCh	42, 18.822, 296.251
Yxy	12.5000, 0.2769, 0.2640
Android (android.graphics.Color)	4284702847 (0xFF63607F)
YUV	100.4310, 13.0985, -1.2550
Hunter-Lab	35.3553, 4.3058, -11.6953

Details

The CIELCh color $42, 18.822, 296.251$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 17.828, 112.053$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 19.201, 296.470$, and $22, 18.848, 296.542$ is the 20% darker color. If you saturate the color by 10%, you get $37, 27.050, 297.439$, and if you desaturate by 10%, it is $47, 10.906, 295.220$.

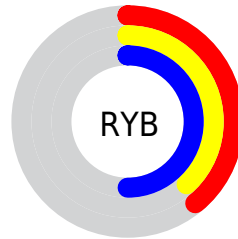
Distribution



Red (39%)

Green (38%)

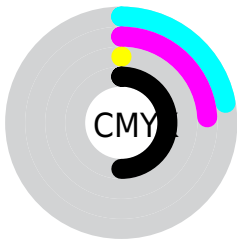
Blue (50%)



Red (39%)

Yellow (38%)

Blue (50%)

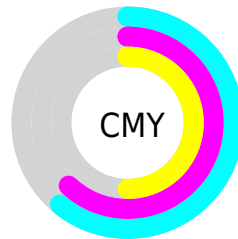


Cyan (22%)

Magenta (24%)

Yellow (0%)

Black (50%)



Cyan (61%)


Magenta (62%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 18.822, 296.251 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, 18.822, 296.251 by changing the saturation by 10% instead.


 42, 18.822,
296.251


 42, 18.822,
296.251


 100, 18.822,
296.251


 32, 18.822,
296.251

 62, 18.822,
296.251


 22, 18.822,
296.251

 72, 18.822,
296.251


 12, 18.822,
296.251


 82, 18.822,
296.251

 2, 18.822, 296.251

 92, 18.822,
296.251

 0, 18.822, 296.251

 42, 18.822,

 42, 18.822,

296.251

37, 27.050,
297.439

33, 35.592,
298.796

28, 44.401,
300.311

24, 53.338,
301.940

20, 62.063,
303.575

17, 69.913,
305.029

14, 75.973,
306.084

13, 79.150,
306.740

296.251

47, 10.906,
295.220

51, 3.294, 294.336

56, 4.036, 113.562

60, 11.101,
112.908

65, 17.920,
112.343

69, 24.509,
111.856

73, 30.882,
111.434

78, 37.055,
111.069

■ 82, 43.040,
110.751

Harmonies

Complementary

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



42, 18.822, 296.251



52, 17.828, 112.053

Rectangle

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



42, 18.822, 296.251



42, 18.822, 346.251



42, 18.822, 116.251



42, 18.822, 166.251

Sweetspot

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



42, 18.821, 296.250



64, 6.496, 294.563



50, 10.636, 206.555



33, 4.257, 294.602



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 18.821, 296.250



52, 28.093, 296.855



43, 19.969, 312.955



24, 4.235, 294.731



13, 79.468, 306.737



0, 0.000, 0.000

Inverse Universe

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



45, 20.716, 328.524



56, 30.579, 328.822



51, 19.456, 130.881



25, 4.775, 327.648



29, 64.231, 332.353



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 18.822, 296.251 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, 18.822, 296.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

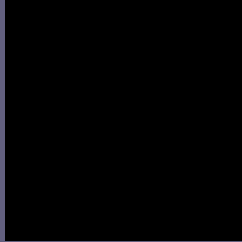
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 18.822, 296.251

Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.822, 296.251.

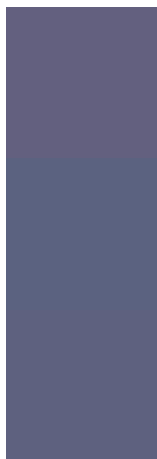


This preview shows how white text looks on a background with the CIELCh color 42, 18.822, 296.251.

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, 18.822, 296.251

Protanopia

42, 18.233, 284.871

Deuteranopia

42, 18.157, 289.365



Tritanopia
42, 5.062, 272.546

Trichromacy



Original Color
42, 18.822, 296.251

Protanomaly
42, 18.757, 289.573

Deuteranomaly
42, 18.141, 291.646

Tritanomaly
42, 9.695, 287.017

Monochromacy



Original Color
42, 18.822, 296.251

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 7.315, 297.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 18.822, 296.251 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(99, 96, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 96, 127)  
}
```

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(99, 96, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 96, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 18.822, 296.251 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(99, 96, 127) }
```

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

```
.border{ border-color:rgb(99, 96, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 96, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 96, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 96, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 96,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 18.822, 296.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 96, 127) }
```

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

```
.background{ background-color: rgb(99, 96,  
127) }
```

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