

Converting Colors

CIELCh(42, 17.856, 288.441)

Have a look what the booklet for
CIELCh(42, 17.856, 288.441)
contains.

CIELCh(42, 18.157, 289.365)	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, 18.157, 289.365)

Conversions

Conversions Part 1

Format	Color
Hex	5E617F
RGB	94, 97, 127
RGB Percent	37%, 38%, 50%
CMY	0.6308, 0.6190, 0.5014
CMYK	0.26, 0.24, 0.00, 0.50
HSL	235°, 15%, 43%
HSV	235°, 26%, 50%
XYZ	12.7601, 12.5000, 21.8712
YIQ	99.5230, -11.4180, 8.6940

Conversions

Conversions Part 2

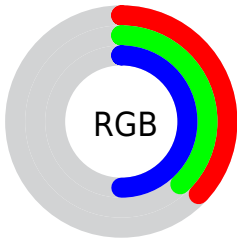
Format	Color
R_{YB}	94, 97, 127
Decimal	6185343
CIE Lab	42.00, 6.02, -17.13
CIE LCh	42, 18.157, 289.365
Yxy	12.5000, 0.2707, 0.2652
Android (android.graphics.Color)	4284375423 (0xFF5E617F)
YUV	99.5230, 13.5462, -4.8437
Hunter-Lab	35.3553, 2.5505, -11.9287

Details

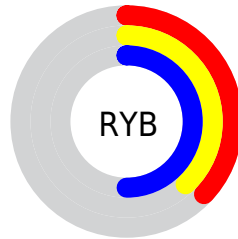
The CIELCh color $42, 18.157, 289.365$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 17.321, 103.627$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 17.978, 288.774$, and $22, 18.149, 289.426$ is the 20% darker color. If you saturate the color by 10%, you get $38, 25.622, 290.936$, and if you desaturate by 10%, it is $46, 10.965, 288.017$.

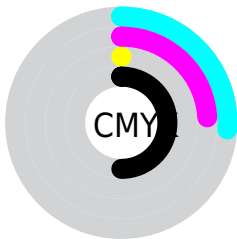
Distribution



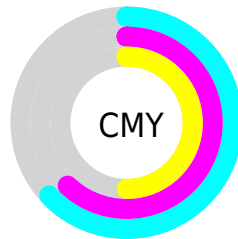
- Red (37%)
- Green (38%)
- Blue (50%)



- Red (37%)
- Yellow (38%)
- Blue (50%)



- Cyan (26%)
- Magenta (24%)
- Yellow (0%)
- Black (50%)



- Cyan (63%)
- Magenta (62%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 18.157, 289.365 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, 18.157, 289.365 by changing the saturation by 10% instead.

■ 42, 18.157,
289.365

■ 42, 18.157,
289.365

■ 100, 18.157,
289.365

■ 32, 18.157,
289.365

■ 62, 18.157,
289.365

■ 22, 18.157,
289.365

■ 72, 18.157,
289.365

■ 12, 18.157,
289.365

■ 82, 18.157,
289.365

■ 2, 18.157, 289.365

■ 92, 18.157,
289.365

■ 0, 18.157, 289.365

■ 42, 18.157,

■ 42, 18.157,

289.365

■ 38, 25.622,
290.936

■ 33, 33.379,
292.756

■ 29, 41.429,
294.833

■ 25, 49.720,
297.138

■ 21, 58.072,
299.576

■ 18, 66.052,
301.962

■ 15, 72.896,
303.997

■ 14, 75.179,
304.590

289.365

■ 46, 10.965,
288.017

■ 51, 4.027, 286.871

■ 55, 2.677, 105.833

■ 59, 9.162, 104.997

■ 64, 15.444,
104.260

■ 68, 21.534,
103.617

■ 72, 27.443,
103.055

■ 76, 33.183,
102.561

■ 80, 38.761,

Harmonies

Complementary

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



42, 18.157, 289.365



52, 17.321, 103.627

Rectangle

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



42, 18.157, 289.365



42, 18.157, 339.365



42, 18.157, 109.365



42, 18.157, 159.365

Sweetspot

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



42, 18.156, 289.364



64, 6.740, 287.110



51, 12.574, 189.244



33, 4.838, 287.256



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, 18.156, 289.364



51, 27.220, 290.243



42, 20.650, 306.874



25, 3.837, 287.210



14, 75.340, 304.594



0, 0.000, 0.000

Inverse Universe

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



43, 14.381, 14.274



54, 21.696, 15.009



51, 19.799, 124.246



25, 2.968, 12.529



25, 58.490, 34.624



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 18.157, 289.365 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, 18.157, 289.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

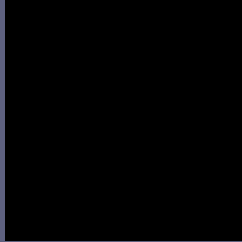
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 18.157, 289.365

Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.157, 289.365.

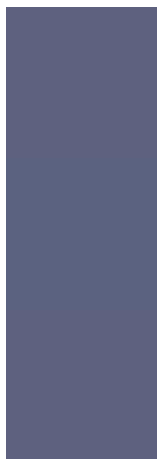


This preview shows how white text looks on a background with the CIELCh color 42, 18.157, 289.365.

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

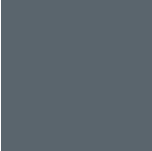
42, 18.157, 289.365

Protanopia

42, 18.233, 284.871

Deuteranopia

42, 18.157, 289.365



Tritanopia
42, 6.378, 248.519

Trichromacy



Original Color
42, 18.157, 289.365

Protanomaly
42, 18.197, 285.973

Deuteranomaly
42, 18.157, 289.365

Tritanomaly
42, 10.048, 273.927

Monochromacy



Original Color
42, 18.157, 289.365

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 6.650, 287.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 18.157, 289.365 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(94, 97, 127)` looks like.

```
.text, #text, p{  
    color:rgb(94, 97, 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(94, 97, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 97, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 18.157, 289.365 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(94, 97, 127) }
```

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

```
.border{ border-color:rgb(94, 97, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 97, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 97, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 97, 127); box-shadow:4px 4px 4px 4px rgb(94, 97, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 18.157, 289.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 97, 127) }
```

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

```
.background{ background-color: rgb(94, 97,  
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