

Converting Colors

CIELCh(42, 12.027, 261.436)

Have a look what the booklet for
CIELCh(42, 12.027, 261.436)
contains.

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Color

CIELCh(42, 11.841, 259.634)

Conversions

Conversions Part 1

Format	Color
Hex	546576
RGB	84, 101, 118
RGB Percent	33%, 40%, 46%
CMY	0.6706, 0.6039, 0.5373
CMYK	0.29, 0.14, 0.00, 0.54
HSL	210°, 17%, 40%
HSV	210°, 29%, 46%
XYZ	11.5797, 12.5000, 18.9417
YIQ	97.8550, -15.5890, 1.6830

Conversions

Conversions Part 2

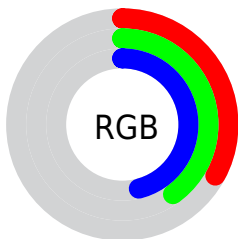
Format	Color
R_{YB}	84, 95, 118
Decimal	5530998
CIE Lab	42.00, -2.13, -11.65
CIE LCh	42, 11.841, 259.634
Yxy	12.5000, 0.2692, 0.2906
Android (android.graphics.Color)	4283721078 (0xFF546576)
YUV	97.8550, 9.9315, -12.1508
Hunter-Lab	35.3553, -3.4090, -7.0161

Details


The CIELCh color $42, 11.841, 259.634$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 12.764, 72.007$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 11.781, 258.445$, and $22, 12.233, 261.052$ is the 20% darker color. If you saturate the color by 10%, you get $39, 15.839, 261.614$, and if you desaturate by 10%, it is $45, 7.777, 257.958$.

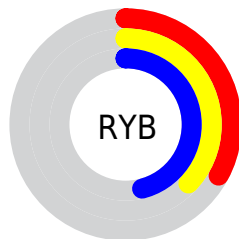
Distribution



 Red (33%)

 Green (40%)

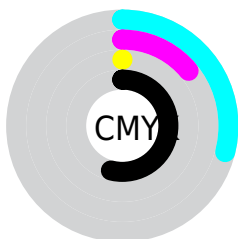
 Blue (46%)





 Red (33%)

 Yellow (37%)

 Blue (46%)

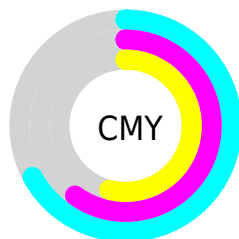



 Cyan (29%)


 Magenta (14%)

 Yellow (0%)

 Black (54%)



 Cyan (67%)


 Magenta (60%)


 Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 11.841, 259.634 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, 11.841, 259.634 by changing the saturation by 10% instead.


 42, 11.841,
259.634


 42, 11.841,
259.634


 100, 11.841,
259.634


 32, 11.841,
259.634

 62, 11.841,
259.634


 22, 11.841,
259.634

 72, 11.841,
259.634

 12, 11.841,
259.634


 82, 11.841,
259.634

 2, 11.841, 259.634

 92, 11.841,
259.634

 0, 11.841, 259.634

 42, 11.841,

 42, 11.841,

259.634

259.634

■ 39, 15.839,
261.614

■ 45, 7.777, 257.958

■ 37, 19.763,
263.958

■ 47, 3.662, 256.565

■ 50, 0.489, 74.768

■ 34, 23.612,
266.711

■ 53, 4.662, 74.181

■ 32, 27.400,
269.911

■ 55, 8.843, 73.306

■ 58, 13.022, 72.533

■ 30, 31.159,
273.558

■ 61, 17.188, 71.853

■ 27, 34.940,
277.602

■ 63, 21.333, 71.252

■ 66, 25.453, 70.719

■ 25, 38.835,
281.674

■ 25, 39.312,
282.116

Harmonies

Complementary

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



42, 11.841, 259.634



44, 12.764, 72.007

Rectangle

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



42, 11.841, 259.634



42, 11.841, 309.634



42, 11.841, 79.634



42, 11.841, 129.634

Sweetspot

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



42, 11.840, 259.631



60, 4.625, 256.617



47, 17.173, 160.282



30, 3.193, 256.767



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 11.840, 259.631



52, 17.707, 260.996



37, 20.673, 292.851



23, 2.327, 256.592



26, 40.508, 282.309



54, 72.463, 284.975

Inverse Universe

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



40, 17.537, 346.162



49, 26.399, 346.919



49, 19.399, 106.817



23, 3.351, 344.315



25, 49.387, 0.358



54, 83.348, 2.890

Previews

White Background



This preview shows how the CIELCh color 42, 11.841, 259.634 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, 11.841, 259.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

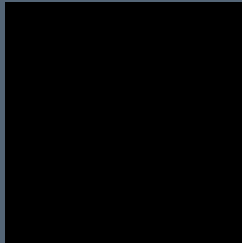
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

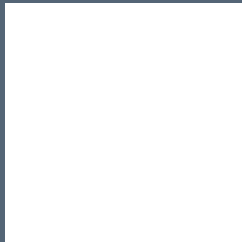
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 11.841, 259.634

Background



This preview shows how black text looks on a background with the CIELCh color 42, 11.841, 259.634.



This preview shows how white text looks on a background with the CIELCh color 42, 11.841, 259.634.

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

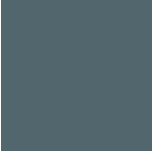
42, 11.841, 259.634

Protanopia

42, 10.925, 285.734

Deuteranopia

42, 13.353, 295.399



Tritanopia
42, 8.877, 231.848

Trichromacy



Original Color
42, 11.841, 259.634

Protanomaly
42, 11.212, 276.123

Deuteranomaly
42, 12.755, 285.240

Tritanomaly
42, 9.594, 242.875

Monochromacy



Original Color
42, 11.841, 259.634

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.309, 256.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 11.841, 259.634 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(84, 101, 118)` looks like.

```
.text, #text, p{  
    color:rgb(84, 101, 118)  
}
```

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(84, 101, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 101, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 11.841, 259.634 is called "border". The border property can be set on classes, ids or directly on the HTML element.

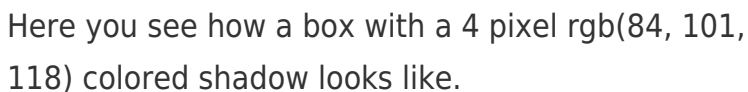
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 101, 118) }
```

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

```
.border{ border-color:rgb(84, 101, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 101, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 101, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 101, 118);  
box-shadow:4px 4px 4px 4px rgb(84, 101,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 11.841, 259.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 101, 118) }
```

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

```
.background{ background-color: rgb(84, 101,  
118) }
```

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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