

Converting Colors

CIELCh(42, 12.464, 256.281)

Have a look what the booklet for
CIELCh(42, 12.464, 256.281)
contains.

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Color

CIELCh(42, 12.678, 258.543)

Conversions

Conversions Part 1

Format	Color
Hex	526577
RGB	82, 101, 119
RGB Percent	32%, 40%, 47%
CMY	0.6774, 0.6029, 0.5323
CMYK	0.31, 0.15, 0.00, 0.53
HSL	209°, 18%, 40%
HSV	209°, 31%, 47%
XYZ	11.5254, 12.5000, 19.3403
YIQ	97.3710, -17.1020, 1.5700

Conversions

Conversions Part 2

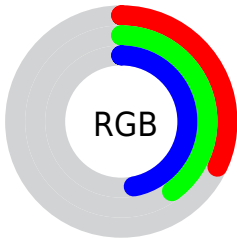
Format	Color
R_{YB}	82, 95, 119
Decimal	5399927
CIE _{Lab}	42.00, -2.52, -12.43
CIE _{LCh}	42, 12.678, 258.543
Yxy	12.5000, 0.2658, 0.2882
Android (android.graphics.Color)	4283590007 (0xFF526577)
YUV	97.3710, 10.6631, -13.4804
Hunter-Lab	35.3553, -3.6828, -7.6844

Details

The CIELCh color **42, 12.678, 258.543** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 13.853, 70.331**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 12.590, 257.291**, and **22, 13.081, 260.404** is the 20% darker color. If you saturate the color by 10%, you get **39, 16.617, 260.594**, and if you desaturate by 10%, it is **45, 8.656, 256.812**.

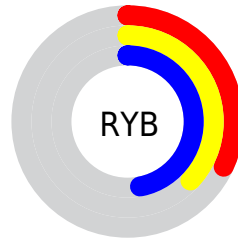
Distribution



Red (32%)

Green (40%)

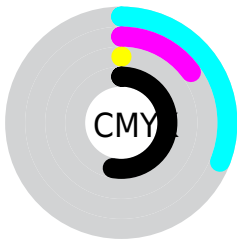
Blue (47%)



Red (32%)

Yellow (37%)

Blue (47%)

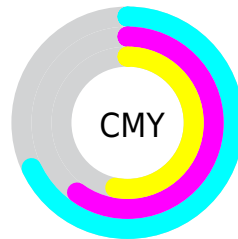


Cyan (31%)

Magenta (15%)

Yellow (0%)

Black (53%)



Cyan (68%)


Magenta (60%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.678, 258.543 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, 12.678, 258.543 by changing the saturation by 10% instead.


 42, 12.678,
258.543


 42, 12.678,
258.543


 100, 12.678,
258.543


 32, 12.678,
258.543

 62, 12.678,
258.543


 22, 12.678,
258.543

 72, 12.678,
258.543

 12, 12.678,
258.543


 82, 12.678,
258.543

 2, 12.678, 258.543

 92, 12.678,
258.543

 0, 12.678, 258.543

 42, 12.678,

 42, 12.678,

258.543

■ 39, 16.617,
260.594

■ 37, 20.466,
263.025

■ 34, 24.225,
265.884

■ 32, 27.909,
269.203

■ 30, 31.557,
272.980

■ 28, 35.223,
277.149

■ 26, 38.628,
280.788

258.543

■ 45, 8.656, 256.812

■ 47, 4.570, 255.368

■ 50, 0.433, 254.661

■ 53, 3.736, 72.928

■ 55, 7.923, 72.048

■ 58, 12.116, 71.267

■ 61, 16.303, 70.581

■ 63, 20.476, 69.978

■ 66, 24.627, 69.443

Harmonies

Complementary

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



42, 12.678, 258.543



44, 13.853, 70.331

Rectangle

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



42, 12.678, 258.543



42, 12.678, 308.543



42, 12.678, 78.543



42, 12.678, 128.543

Sweetspot

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



42, 12.677, 258.540



61, 4.639, 255.139



47, 18.629, 160.051



32, 3.247, 255.292



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 12.677, 258.540



52, 18.678, 259.919



37, 22.561, 293.180



23, 2.303, 255.113



27, 39.456, 280.926



54, 70.508, 283.641

Inverse Universe

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



40, 19.225, 345.638



49, 28.504, 346.383



49, 21.048, 106.606



23, 3.381, 343.591



25, 49.537, 359.148



54, 83.520, 1.588

Previews

White Background



This preview shows how the CIE LCh color 42, 12.678, 258.543 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, 12.678, 258.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

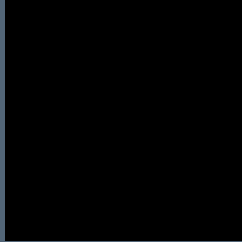
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

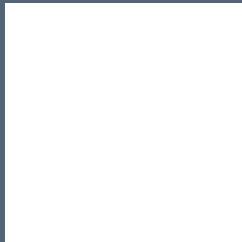
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 12.678, 258.543

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.678, 258.543.

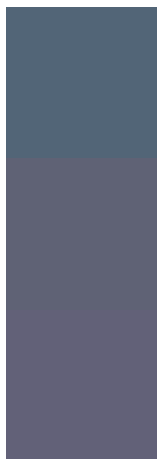


This preview shows how white text looks on a background with the CIELCh color 42, 12.678, 258.543.

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, 12.678, 258.543

Protanopia

42, 11.524, 286.161

Deuteranopia

42, 13.935, 293.769



Tritanopia
42, 9.767, 228.357

Trichromacy



Original Color
42, 12.678, 258.543

Protanomaly
42, 11.879, 275.336

Deuteranomaly
42, 12.884, 280.300

Tritanomaly
42, 10.471, 242.832

Monochromacy



Original Color
42, 12.678, 258.543

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.014, 257.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.678, 258.543 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(82, 101, 119)` looks like.

```
.text, #text, p{  
    color:rgb(82, 101, 119)  
}
```

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(82, 101, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 101, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.678, 258.543 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(82, 101, 119) }
```

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

```
.border{ border-color:rgb(82, 101, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 101, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 101, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 101, 119);  
box-shadow:4px 4px 4px 4px rgb(82, 101,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.678, 258.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 101, 119) }
```

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

```
.background{ background-color: rgb(82, 101,  
119) }
```

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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