

Converting Colors

CIELCh(42, 19.322, 283.657)

Have a look what the booklet for
CIELCh(42, 19.322, 283.657)
contains.

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Color

CIELCh(42, 19.503, 283.573)

Conversions

Conversions Part 1

Format	Color
Hex	596282
RGB	89, 98, 130
RGB Percent	35%, 38%, 51%
CMY	0.6505, 0.6152, 0.4897
CMYK	0.32, 0.25, 0.00, 0.49
HSL	227°, 19%, 43%
HSV	227°, 32%, 51%
XYZ	12.5454, 12.5000, 22.9116
YIQ	98.9570, -15.6360, 8.0440

Conversions

Conversions Part 2

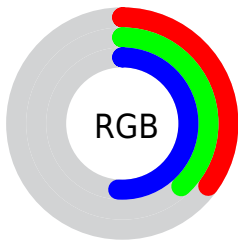
Format	Color
R_{YB}	89, 96, 130
Decimal	5857922
CIE _{Lab}	42.00, 4.58, -18.96
CIE _{LCh}	42, 19.503, 283.573
Yxy	12.5000, 0.2616, 0.2607
Android (android.graphics.Color)	4284048002 (0xFF596282)
YUV	98.9570, 15.3042, -8.7323
Hunter-Lab	35.3553, 1.4669, -13.6733

Details

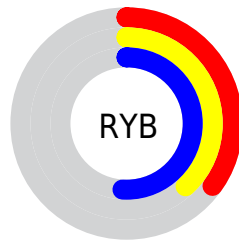
The CIELCh color $42, 19.503, 283.573$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 18.920, 95.603$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 19.247, 282.975$, and $22, 19.666, 283.099$ is the 20% darker color. If you saturate the color by 10%, you get $38, 26.064, 285.441$, and if you desaturate by 10%, it is $46, 13.132, 281.964$.

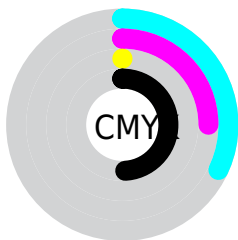
Distribution



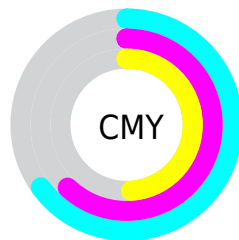
- Red (35%)
- Green (38%)
- Blue (51%)



- Red (35%)
- Yellow (38%)
- Blue (51%)



- Cyan (32%)
- Magenta (25%)
- Yellow (0%)
- Black (49%)





- Cyan (65%)
- Magenta (62%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.503, 283.573 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, 19.503, 283.573 by changing the saturation by 10% instead.


 42, 19.503,
283.573


 42, 19.503,
283.573


 100, 19.503,
283.573


 32, 19.503,
283.573

 62, 19.503,
283.573


 22, 19.503,
283.573

 72, 19.503,
283.573

 12, 19.503,
283.573

 82, 19.503,
283.573

 2, 19.503, 283.573

 92, 19.503,
283.573

 0, 19.503, 283.573

 42, 19.503,

 42, 19.503,

283.573

■ 38, 26.064,
285.441

■ 34, 32.838,
287.600

■ 30, 39.839,
290.060

■ 27, 47.061,
292.798

■ 23, 54.432,
295.732

■ 20, 61.742,
298.700

■ 18, 67.645,
300.930

283.573

■ 46, 13.132,
281.964

■ 50, 6.937, 280.587

■ 54, 0.906, 279.510

■ 58, 4.972, 98.315

■ 62, 10.704, 97.428

■ 65, 16.296, 96.644

■ 69, 21.754, 95.952

■ 73, 27.082, 95.339

■ 77, 32.286, 94.793

Harmonies

Complementary

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



42, 19.503, 283.573



51, 18.920, 95.603

Rectangle

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



42, 19.503, 283.573



42, 19.503, 333.573



42, 19.503, 103.573



42, 19.503, 153.573

Sweetspot

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



42, 19.502, 283.572



65, 6.674, 280.300



51, 16.454, 177.837



33, 4.623, 280.452



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, 19.502, 283.572



51, 29.328, 284.917



40, 25.395, 302.751



26, 3.441, 280.292



18, 67.616, 300.928



0, 0.816, 279.211

Inverse Universe

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



42, 18.369, 5.183



51, 27.671, 6.292



53, 23.832, 118.687



26, 3.178, 2.534



26, 54.917, 26.141



0, 0.745, 1.774

Previews

White Background



This preview shows how the CIE LCh color 42, 19.503, 283.573 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, 19.503, 283.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

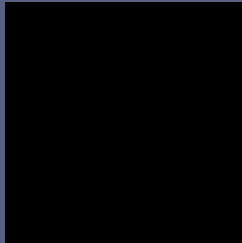
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 19.503, 283.573

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.503, 283.573.



This preview shows how white text looks on a background with the CIELCh color 42, 19.503, 283.573.

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

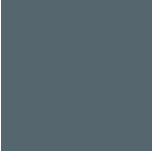
42, 19.503, 283.573

Protanopia

42, 19.459, 284.578

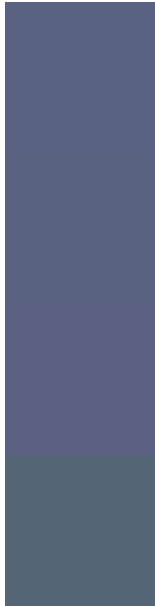
Deuteranopia

42, 19.993, 287.948



Tritanopia
42, 7.995, 236.157

Trichromacy



Original Color
42, 19.503, 283.573

Protanomaly
42, 19.459, 284.578

Deuteranomaly
42, 20.019, 286.951

Tritanomaly
42, 10.999, 260.975

Monochromacy



Original Color
42, 19.503, 283.573

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 6.800, 277.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.503, 283.573 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(89, 98, 130)` looks like.

```
.text, #text, p{  
    color:rgb(89, 98, 130)  
}
```

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(89, 98, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 98, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.503, 283.573 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(89, 98, 130) }
```

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

```
.border{ border-color:rgb(89, 98, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 98, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 98, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 98, 130);  
box-shadow:4px 4px 4px 4px rgb(89, 98,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.503, 283.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 98, 130) }
```

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

```
.background{ background-color: rgb(89, 98,  
130) }
```

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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