

Converting Colors

CIELCh(42, 18.930, 283.170)

Have a look what the booklet for
CIELCh(42, 18.930, 283.170)
contains.

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Color

CIELCh(42, 18.912, 283.149)

Conversions

Conversions Part 1

Format	Color
Hex	596281
RGB	89, 98, 129
RGB Percent	35%, 38%, 51%
CMY	0.6501, 0.6149, 0.4932
CMYK	0.31, 0.24, 0.00, 0.49
HSL	227°, 18%, 43%
HSV	227°, 31%, 51%
XYZ	12.5049, 12.5000, 22.5997
YIQ	98.8430, -15.3150, 7.7330

Conversions

Conversions Part 2

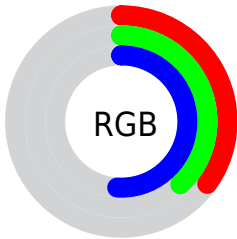
Format	Color
R_{YB}	89, 96, 129
Decimal	5857921
CIE Lab	42.00, 4.30, -18.42
CIE LCh	42, 18.912, 283.149
Yxy	12.5000, 0.2627, 0.2626
Android (android.graphics.Color)	4284048001 (0xFF596281)
YUV	98.8430, 14.8674, -8.6323
Hunter-Lab	35.3553, 1.2619, -13.1504

Details

The CIELCh color $42, 18.912, 283.149$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 18.386, 95.313$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 18.697, 282.611$, and $22, 18.971, 283.455$ is the 20% darker color. If you saturate the color by 10%, you get $38, 25.376, 285.007$, and if you desaturate by 10%, it is $46, 12.632, 281.549$.

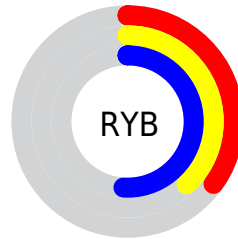
Distribution



 Red (35%)

 Green (38%)

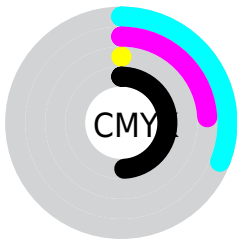
 Blue (51%)



 Red (35%)

 Yellow (38%)

 Blue (51%)

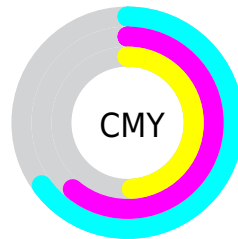


 Cyan (31%)


 Magenta (24%)

 Yellow (0%)

 Black (49%)



 Cyan (65%)

 Magenta (61%)


 Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 18.912, 283.149 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, 18.912, 283.149 by changing the saturation by 10% instead.


 42, 18.912,
283.149


 42, 18.912,
283.149


 100, 18.912,
283.149


 32, 18.912,
283.149

 62, 18.912,
283.149


 22, 18.912,
283.149

 72, 18.912,
283.149

 12, 18.912,
283.149


 82, 18.912,
283.149

 2, 18.912, 283.149

 92, 18.912,
283.149

 0, 18.912, 283.149

 42, 18.912,

 42, 18.912,

283.149

283.149

■ 38, 25.376,
285.007

■ 46, 12.632,
281.549

■ 34, 32.045,
287.155

■ 50, 6.522, 280.180

■ 30, 38.935,
289.606

■ 54, 0.570, 279.190

■ 58, 5.233, 97.917

■ 27, 46.044,
292.341

■ 61, 10.895, 97.033

■ 23, 53.314,
295.283

■ 65, 16.420, 96.251

■ 69, 21.815, 95.561

■ 20, 60.557,
298.280

■ 73, 27.084, 94.949

■ 18, 66.818,
300.699

■ 77, 32.231, 94.403

Harmonies

Complementary

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



42, 18.912, 283.149



51, 18.386, 95.313

Rectangle

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



42, 18.912, 283.149



42, 18.912, 333.149



42, 18.912, 103.149



42, 18.912, 153.149

Sweetspot

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



42, 18.911, 283.148



65, 6.633, 279.963



51, 16.093, 177.896



33, 4.595, 280.116



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, 18.911, 283.148



51, 28.322, 284.401



40, 24.784, 302.702



25, 3.310, 279.948



17, 66.091, 300.659



0, 0.000, 0.000

Inverse Universe

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



42, 17.949, 4.699



52, 26.930, 5.723



52, 23.289, 118.721



25, 3.082, 2.124



26, 53.921, 25.582



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 18.912, 283.149 looks on a white background.

Color Contrast Check

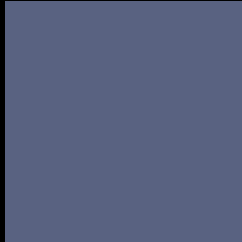
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.912, 283.149 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

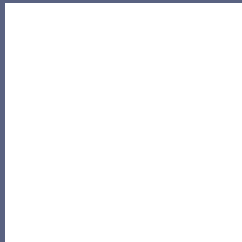
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 18.912, 283.149

Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.912, 283.149.

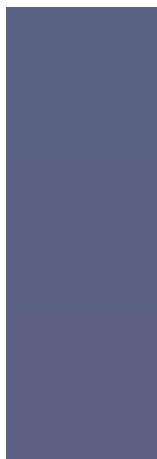


This preview shows how white text looks on a background with the CIELCh color 42, 18.912, 283.149.

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

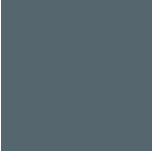
42, 18.912, 283.149

Protanopia

42, 18.827, 285.241

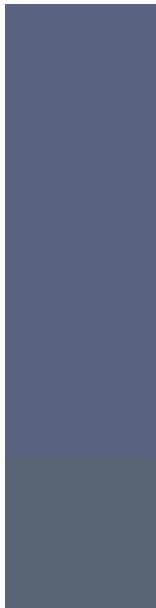
Deuteranopia

42, 19.395, 287.683



Tritanopia
42, 7.995, 236.157

Trichromacy



Original Color
42, 18.912, 283.149

Protanomaly
42, 18.867, 284.189

Deuteranomaly
42, 19.422, 286.650

Tritanomaly
42, 10.834, 262.643

Monochromacy



Original Color
42, 18.912, 283.149

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, 18.912, 283.149 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(89, 98, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 98, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 18.912, 283.149 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, 129) }
```

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

```
.border{ border-color:rgb(89, 98, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 98, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 98, 129);  
box-shadow:4px 4px 4px 4px rgb(89, 98,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 18.912, 283.149 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, 129) }
```

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

```
.background{ background-color: rgb(89, 98,  
129) }
```

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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