

Converting Colors

CIELCh(60, 12.741, 210.480)

Have a look what the booklet for
CIELCh(60, 12.741, 210.480)
contains.

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Color

CIELCh(60, 12.642, 208.677)

Conversions

Conversions Part 1

Format	Color
Hex	74979B
RGB	116, 151, 155
RGB Percent	45%, 59%, 61%
CMY	0.5459, 0.4087, 0.3930
CMYK	0.25, 0.03, 0.00, 0.39
HSL	186°, 16%, 53%
HSV	186°, 25%, 61%
XYZ	24.1062, 28.1233, 35.0746
YIQ	140.9910, -22.1440, -6.1760

Conversions

Conversions Part 2

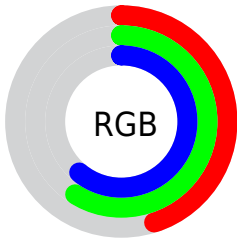
Format	Color
R_{YB}	116, 134, 155
Decimal	7640987
CIE _{Lab}	60.00, -11.09, -6.07
CIE _{LCh}	60, 12.642, 208.677
Yxy	28.1233, 0.2761, 0.3221
Android (android.graphics.Color)	4285831067 (0xFF74979B)
YUV	140.9910, 6.9064, -21.9171
Hunter-Lab	53.0314, -11.6653, -2.0919

Details

The CIELCh color $60, 12.642, 208.677$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $54, 15.000, 29.722$, and the grayscale version is $59, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 12.525, 208.403$, and $40, 12.710, 209.088$ is the 20% darker color. If you saturate the color by 10%, you get $59, 16.994, 208.763$, and if you desaturate by 10%, it is $61, 7.871, 208.712$.

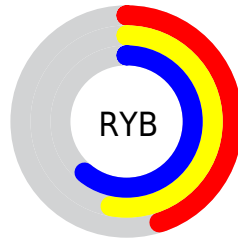
Distribution



Red (45%)

Green (59%)

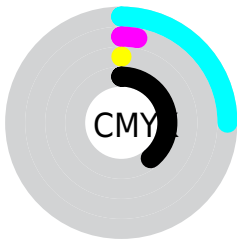
Blue (61%)



Red (45%)

Yellow (53%)

Blue (61%)

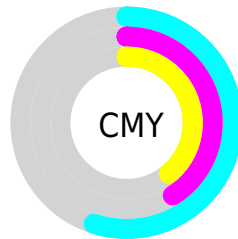


Cyan (25%)

Magenta (3%)

Yellow (0%)

Black (39%)



Cyan (55%)


Magenta (41%)

Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 12.642, 208.677 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 60, 12.642, 208.677 by changing the saturation by 10% instead.

 60, 12.642,
208.677


 60, 12.642,
208.677

 100, 12.642,
208.677


 50, 12.642,
208.677


 80, 12.642,
208.677

 40, 12.642,
208.677

 90, 12.642,
208.677


 30, 12.642,
208.677

 20, 12.642,
208.677

 10, 12.642,
208.677

 0, 12.642, 208.677

 60, 12.642,

 60, 12.642,

208.677

■ 59, 16.994,
208.763

■ 57, 20.842,
209.006

■ 56, 24.106,
209.431

■ 55, 26.724,
210.070

■ 54, 28.656,
210.964

■ 54, 29.900,
212.148

■ 53, 30.514,
213.651

■ 53, 30.717,
214.421

208.677

■ 61, 7.871, 208.712

■ 63, 2.761, 208.934

■ 65, 2.613, 28.781

■ 66, 8.184, 29.147

■ 68, 13.897, 29.460

■ 70, 19.706, 29.791

■ 72, 25.575, 30.140

■ 74, 31.473, 30.501

■ 76, 37.334, 30.875

Harmonies

Complementary

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



60, 12.642, 208.677



54, 15.000, 29.722

Rectangle

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



60, 12.642, 208.677



60, 12.642, 258.677



60, 12.642, 28.677



60, 12.642, 78.677

Sweetspot

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



60, 12.642, 208.672



80, 5.236, 208.832



60, 25.044, 145.574



42, 3.737, 208.798



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



60, 12.642, 208.672



75, 18.293, 208.704



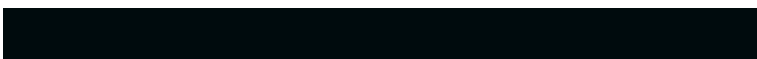
54, 14.390, 269.160



32, 2.948, 208.807



48, 28.601, 214.248



3, 3.235, 209.963

Inverse Universe

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



54, 25.037, 328.777



66, 36.912, 329.091



59, 14.790, 82.215



30, 5.537, 327.843



32, 68.467, 332.674



1, 5.906, 327.673

Previews

White Background



This preview shows how the CIELCh color 60, 12.642, 208.677 looks on a white 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

Black Background



This preview shows how the CIE LCh color 60, 12.642, 208.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

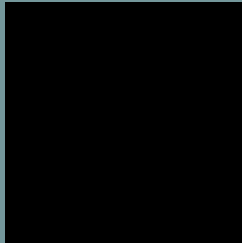
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 12.642, 208.677

Background



This preview shows how black text looks on a background with the CIELCh color 60, 12.642, 208.677.

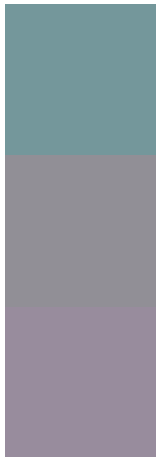


This preview shows how white text looks on a background with the CIELCh color 60, 12.642, 208.677.

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
60, 12.642, 208.677

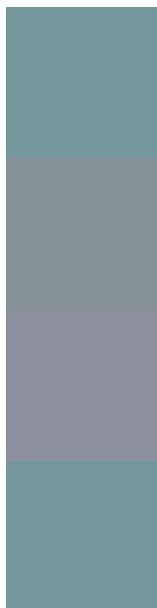
Protanopia
60, 4.047, 301.523

Deuteranopia
60, 10.692, 316.349



Tritanopia
60, 13.192, 229.613

Trichromacy



Original Color
60, 12.642, 208.677

Protanomaly
60, 5.558, 236.819

Deuteranomaly
60, 6.999, 275.533

Tritanomaly
60, 12.572, 222.454

Monochromacy



Original Color
60, 12.642, 208.677

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 4.944, 205.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 12.642, 208.677 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(116, 151, 155)` looks like.

```
.text, #text, p{  
    color:rgb(116, 151, 155)  
}
```

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(116, 151, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 151, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 12.642, 208.677 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(116, 151, 155) }
```

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

```
.border{ border-color:rgb(116, 151, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 151, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 151, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 151, 155);  
box-shadow:4px 4px 4px 4px rgb(116, 151,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 12.642, 208.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 151, 155) }
```

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

```
.background{ background-color: rgb(116,  
151, 155) }
```

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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