

Converting Colors

CIE LCh(61, 19.196, 228.298)

Have a look what the booklet for
CIELCh(61, 19.196, 228.298)
contains.

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Color

CIELCh(61, 19.192, 228.269)

Conversions

Conversions Part 1

Format	Color
Hex	679BAC
RGB	103, 155, 172
RGB Percent	40%, 61%, 67%
CMY	0.5966, 0.3927, 0.3260
CMYK	0.40, 0.10, 0.00, 0.33
HSL	195°, 29%, 54%
HSV	195°, 40%, 67%
XYZ	24.7114, 29.2481, 43.3053
YIQ	141.3900, -36.4490, -5.7370

Conversions

Conversions Part 2

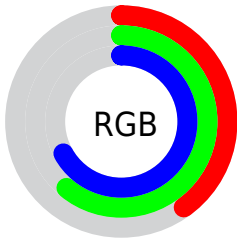
Format	Color
RYB	103, 133, 172
Decimal	6790060
CIELab	61.00, -12.77, -14.32
CIElCh	61, 19.192, 228.269
Yxy	29.2481, 0.2541, 0.3007
Android (android.graphics.Color)	4284980140 (0xFF679BAC)
YUV	141.3900, 15.0907, -33.6680
Hunter-Lab	54.0815, -13.0810, -9.6189

Details

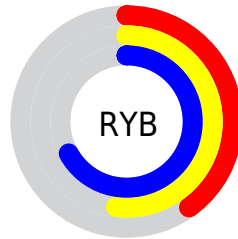
The CIELCh color `61, 19.192, 228.269` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `55, 25.212, 43.912`, and the grayscale version is `59, 0.008, 296.813`.

A 20% lighter version of the original color is `81, 19.060, 228.718`, and `41, 19.304, 228.186` is the 20% darker color. If you saturate the color by 10%, you get `59, 22.960, 229.789`, and if you desaturate by 10%, it is `63, 14.949, 227.095`.

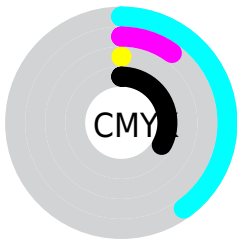
Distribution



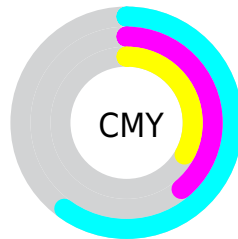
- Red (40%)
- Green (61%)
- Blue (67%)



- Red (40%)
- Yellow (52%)
- Blue (67%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)





- Cyan (60%)
- Magenta (39%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 19.192, 228.269 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 61, 19.192, 228.269 by changing the saturation by 10% instead.


 61, 19.192,
228.269


 61, 19.192,
228.269


 100, 19.192,
228.269


 51, 19.192,
228.269


 81, 19.192,
228.269

 41, 19.192,
228.269

 91, 19.192,
228.269

 31, 19.192,
228.269

 21, 19.192,
228.269

 11, 19.192,
228.269

 1, 19.192, 228.269

 0, 19.192, 228.269

61, 19.192,
228.269

61, 19.192,
228.269

59, 22.960,
229.789

63, 14.949,
227.095

57, 26.196,
231.743

65, 10.302,
226.208

55, 28.862,
234.216

68, 5.324, 225.571

53, 30.964,
237.293

70, 0.081, 230.832

73, 5.369, 44.516

52, 32.565,
241.034

75, 10.973, 44.295

50, 33.857,
245.213

78, 16.689, 44.126

81, 22.483, 44.013

83, 27.365, 44.740

Harmonies

Complementary

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



61, 19.192, 228.269



55, 25.212, 43.912

Rectangle

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



61, 19.192, 228.269



61, 19.192, 278.269



61, 19.192, 48.269



61, 19.192, 98.269

Sweetspot

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



61, 19.192, 228.266



86, 7.784, 225.682



65, 39.213, 148.406



45, 5.141, 225.754



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



61, 19.192, 228.266



76, 27.464, 229.571



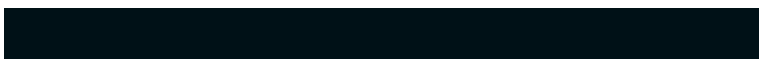
51, 29.781, 282.455



35, 2.998, 225.531



44, 30.616, 244.668



4, 6.389, 235.108

Inverse Universe

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



53, 39.067, 334.953



64, 57.285, 335.633



64, 29.061, 91.142



34, 5.550, 332.764



33, 64.735, 340.854



2, 10.978, 335.458

Previews

White Background



This preview shows how the CIELCh color 61, 19.192, 228.269 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 61, 19.192, 228.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

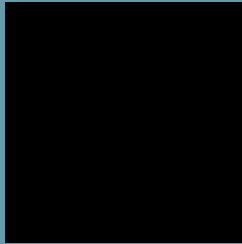
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 19.192, 228.269

Background



This preview shows how black text looks on a background with the CIELCh color 61, 19.192, 228.269.

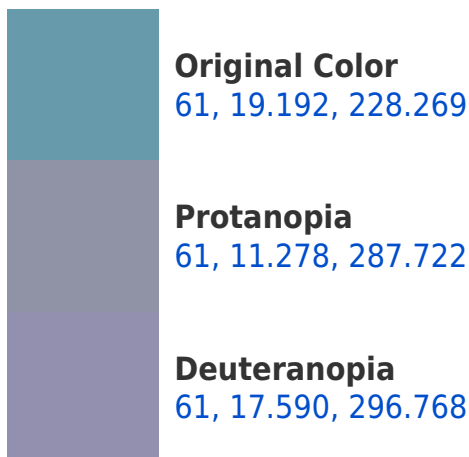


This preview shows how white text looks on a background with the CIELCh color 61, 19.192, 228.269.

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





Tritanopia
61, 18.875, 219.102

Trichromacy



Original Color
61, 19.192, 228.269

Protanomaly
61, 12.628, 257.355

Deuteranomaly
61, 15.517, 270.725

Tritanomaly
61, 19.004, 220.811

Monochromacy



Original Color
61, 19.192, 228.269

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 7.704, 225.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 19.192, 228.269 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(103, 155, 172)` looks like.

```
.text, #text, p{  
    color:rgb(103, 155, 172)  
}
```

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(103, 155, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 155, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 19.192, 228.269 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(103, 155, 172) }
```

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

```
.border{ border-color:rgb(103, 155, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 155, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 155, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 155, 172);  
box-shadow:4px 4px 4px 4px rgb(103, 155,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 19.192, 228.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 155, 172) }
```

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

```
.background{ background-color: rgb(103,  
155, 172) }
```

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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