

Converting Colors

CIELCh(60, 18.518, 197.754)

Have a look what the booklet for
CIELCh(60, 18.518, 197.754)
contains.

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Color

CIELCh(60, 18.629, 197.744)

Conversions

Conversions Part 1

Format	Color
Hex	649A9A
RGB	100, 154, 154
RGB Percent	39%, 60%, 60%
CMY	0.6081, 0.3964, 0.3964
CMYK	0.35, 0.00, 0.00, 0.40
HSL	180°, 21%, 50%
HSV	180°, 35%, 60%
XYZ	22.6181, 28.1233, 34.7768
YIQ	137.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

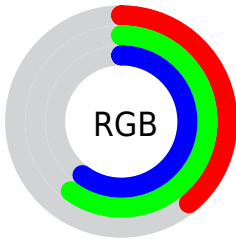
Format	Color
R_{YB}	100, 127, 154
Decimal	6593178
CIE _{Lab}	60.00, -17.74, -5.68
CIE _{LCh}	60, 18.629, 197.744
Y _{xy}	28.1233, 0.2645, 0.3289
Android (android.graphics.Color)	4284783258 (0xFF649A9A)
YUV	137.8540, 7.9600, -33.1980
Hunter-Lab	53.0314, -16.6743, -1.7590

Details

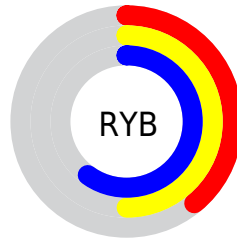
The CIELCh color `60, 18.629, 197.744` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `48, 23.636, 22.461`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 18.872, 196.433`, and `40, 18.631, 197.194` is the 20% darker color. If you saturate the color by 10%, you get `59, 22.882, 197.365`, and if you desaturate by 10%, it is `61, 13.832, 198.175`.

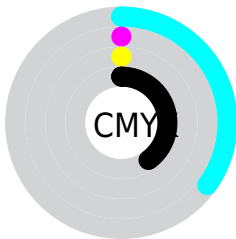
Distribution



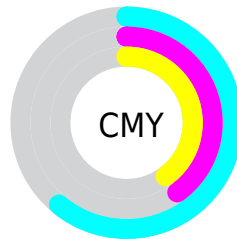
- Red (39%)
- Green (60%)
- Blue (60%)



- Red (39%)
- Yellow (50%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (40%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 18.629, 197.744 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, 18.629, 197.744 by changing the saturation by 10% instead.

 60, 18.629,
197.744


 60, 18.629,
197.744


 100, 18.629,
197.744

 50, 18.629,
197.744


 80, 18.629,
197.744

 40, 18.629,
197.744


 90, 18.629,
197.744


 30, 18.629,
197.744

 20, 18.629,
197.744

 10, 18.629,
197.744

 0, 18.629, 197.744

 60, 18.629,

 60, 18.629,

197.744

197.744

■ 59, 22.882,
197.365

■ 61, 13.832,
198.175

■ 59, 26.510,
197.050

■ 62, 8.581, 198.668

■ 58, 29.452,
196.798

■ 63, 2.964, 199.283

■ 64, 2.931, 19.521

■ 58, 31.678,
196.609

■ 66, 9.027, 20.200

■ 58, 33.194,
196.482

■ 67, 15.260, 20.813

■ 69, 21.573, 21.426

■ 58, 34.059,
196.409

■ 70, 27.924, 22.043

■ 57, 34.379,
196.383

■ 72, 34.278, 22.659

Harmonies

Complementary

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



60, 18.629, 197.744



48, 23.636, 22.461

Rectangle

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



60, 18.629, 197.744



60, 18.629, 247.744



60, 18.629, 17.744



60, 18.629, 67.744

Sweetspot

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



60, 18.629, 197.741



79, 7.793, 198.880



59, 36.889, 141.579



41, 5.206, 198.811



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



60, 18.629, 197.741



75, 26.559, 197.445



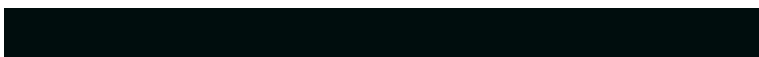
52, 17.533, 259.134



32, 3.249, 198.997



53, 32.120, 196.383



3, 3.595, 199.419

Inverse Universe

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



48, 23.636, 22.461



58, 35.785, 23.607



55, 19.503, 69.420



30, 3.439, 19.894



28, 66.112, 39.048



1, 3.595, 19.403

Previews

White Background



This preview shows how the CIELCh color 60, 18.629, 197.744 looks on a white background.

Color Contrast Check

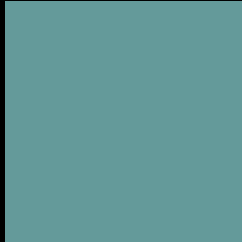
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 60, 18.629, 197.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

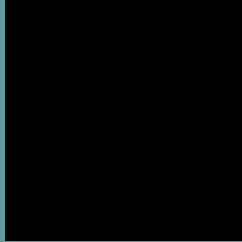
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 18.629, 197.744

Background



This preview shows how black text looks on a background with the CIELCh color 60, 18.629, 197.744.

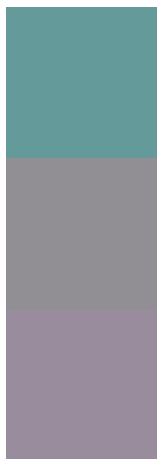


This preview shows how white text looks on a background with the CIELCh color 60, 18.629, 197.744.

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, 18.629, 197.744

Protanopia
60, 2.945, 305.639

Deuteranopia
60, 10.692, 316.349



Tritanopia
60, 17.716, 222.775

Trichromacy



Original Color
60, 18.629, 197.744

Protanomaly
60, 6.874, 213.192

Deuteranomaly
60, 7.541, 254.989

Tritanomaly
60, 17.695, 212.858

Monochromacy



Original Color
60, 18.629, 197.744

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 7.510, 198.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 18.629, 197.744 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(100, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(100, 154, 154)  
}
```

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(100, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 154, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 18.629, 197.744 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(100, 154, 154) }
```

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

```
.border{ border-color:rgb(100, 154, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(100, 154,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 18.629, 197.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 154, 154) }
```

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

```
.background{ background-color: rgb(100,  
154, 154) }
```

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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