

# Converting Colors

CIELCh(60, 19.989, 194.340)

Have a look what the booklet for  
CIELCh(60, 19.989, 194.340)  
contains.

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# Color

**CIELCh(60, 19.984, 194.352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	619B99
RGB	97, 155, 153
RGB Percent	38%, 61%, 60%
CMY	0.6211, 0.3936, 0.4015
CMYK	0.38, 0.00, 0.01, 0.39
HSL	178°, 23%, 49%
HSV	178°, 38%, 61%
XYZ	22.2657, 28.1233, 34.2273
YIQ	137.4300, -33.9260, -12.9180

# Conversions

## Conversions Part 2

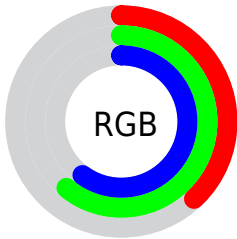
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 127, 155
Decimal	6396825
CIE <sub>Lab</sub>	60.00, -19.36, -4.95
CIE <sub>LCh</sub>	60, 19.984, 194.352
Yxy	28.1233, 0.2631, 0.3324
Android (android.graphics.Color)	4284586905 (0xFF619B99)
<b>YUV</b>	137.4300, 7.6760, -35.4571
Hunter-Lab	53.0314, -17.8604, -1.1447

# Details

The CIELCh color `60, 19.984, 194.352` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `47, 25.404, 20.223`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 20.248, 193.403`, and `40, 20.137, 193.513` is the 20% darker color. If you saturate the color by 10%, you get `59, 24.207, 193.814`, and if you desaturate by 10%, it is `61, 15.212, 194.914`.

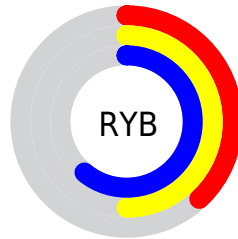
# Distribution



Red (38%)

Green (61%)

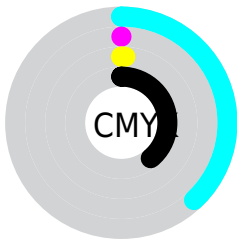
Blue (60%)



Red (38%)

Yellow (50%)

Blue (61%)

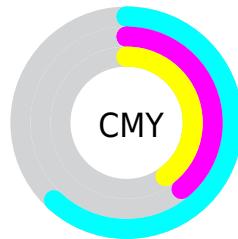


Cyan (38%)

Magenta (0%)

Yellow (1%)

Black (39%)



Cyan (62%)

Magenta (39%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 19.984, 194.352 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, 19.984, 194.352 by changing the saturation by 10% instead.





 60, 19.984,  
194.352


 60, 19.984,  
194.352


 100, 19.984,  
194.352


 50, 19.984,  
194.352


 80, 19.984,  
194.352

 40, 19.984,  
194.352


 90, 19.984,  
194.352


 30, 19.984,  
194.352

 20, 19.984,  
194.352

 10, 19.984,  
194.352

 0, 19.984, 194.352

 60, 19.984,

 60, 19.984,

194.352

194.352

■ 59, 24.207,  
193.814

■ 61, 15.212,  
194.914

■ 59, 27.801,  
193.305

■ 62, 9.982, 195.512

■ 58, 30.704,  
192.819

■ 63, 4.386, 196.175

■ 64, 1.487, 16.391

■ 58, 32.889,  
192.348

■ 66, 7.558, 17.273

■ 58, 34.366,  
191.883

■ 67, 13.761, 17.947

■ 69, 20.039, 18.609

■ 58, 35.244,  
191.416

■ 70, 26.347, 19.267

■ 58, 35.436,  
191.302

■ 72, 32.651, 19.920

# Harmonies

# Complementary

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



60, 19.984, 194.352



47, 25.404, 20.223

# Rectangle

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



60, 19.984, 194.352



60, 19.984, 244.352



60, 19.984, 14.352



60, 19.984, 64.352

# Sweetspot

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



60, 19.984, 194.349



80, 7.906, 195.915



59, 39.115, 140.595



42, 5.338, 195.832



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, 19.984, 194.349



76, 28.667, 193.899



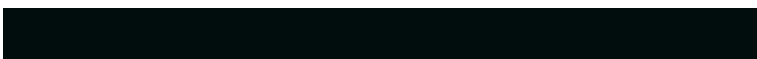
52, 18.168, 255.700



32, 3.261, 196.051



52, 32.991, 191.343



3, 3.604, 196.183





# Inverse Universe

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



47, 25.404, 20.223



57, 38.751, 21.620



54, 20.842, 65.620



30, 3.439, 17.102



28, 64.965, 37.674



1, 3.602, 16.585



# Previews

## White Background



This preview shows how the CIELCh color 60, 19.984, 194.352 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, 19.984, 194.352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

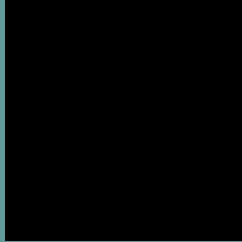
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 60, 19.984, 194.352

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 19.984, 194.352.

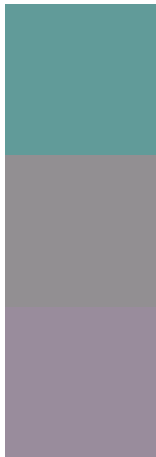


This preview shows how white text looks on a background with the CIELCh color 60, 19.984, 194.352.

# 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, 19.984, 194.352

### Protanopia

60, 2.073, 324.453

### Deuteranopia

60, 10.363, 319.614



**Tritanopia**  
60, 18.622, 219.488



# Trichromacy



**Original Color**  
60, 19.984, 194.352

**Protanomaly**  
60, 7.114, 203.376

**Deuteranomaly**  
60, 7.100, 252.173

**Tritanomaly**  
60, 18.733, 208.320

# Monochromacy



**Original Color**  
60, 19.984, 194.352

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
58, 7.878, 198.696

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 19.984, 194.352 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(97, 155, 153)` looks like.

```
.text, #text, p{  
    color:rgb(97, 155, 153)  
}
```

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(97, 155, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 155, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 19.984, 194.352 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(97, 155, 153) }
```

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

```
.border{ border-color:rgb(97, 155, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 155, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 155, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 155, 153);  
box-shadow:4px 4px 4px 4px rgb(97, 155,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 19.984, 194.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 155, 153) }
```

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

```
.background{ background-color: rgb(97, 155,  
153) }
```

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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