

Converting Colors

CIELCh(59, 20.911, 216.899)

Have a look what the booklet for
CIELCh(59, 20.911, 216.899)
contains.

CIELCh(59, 20.911, 216.899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(59, 20.911, 216.899)

Conversions

Conversions Part 1

Format	Color
Hex	5997A3
RGB	89, 151, 163
RGB Percent	35%, 59%, 64%
CMY	0.6497, 0.4066, 0.3596
CMYK	0.45, 0.07, 0.00, 0.36
HSL	190°, 29%, 50%
HSV	190°, 45%, 64%
XYZ	21.9052, 27.0277, 38.8597
YIQ	133.8300, -40.8040, -9.4120

Conversions

Conversions Part 2

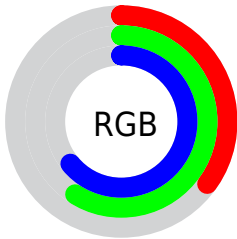
Format	Color
R_{YB}	89, 123, 163
Decimal	5871523
CIE _{Lab}	59.00, -16.72, -12.56
CIE _{LCh}	59, 20.911, 216.899
Yxy	27.0277, 0.2495, 0.3079
Android (android.graphics.Color)	4284061603 (0xFF5997A3)
YUV	133.8300, 14.3808, -39.3159
Hunter-Lab	51.9882, -15.7686, -7.9259

Details

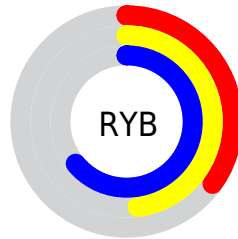
The CIELCh color `59, 20.911, 216.899` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `49, 29.245, 36.255`, and the grayscale version is `56, 0.007, 296.813`.

A 20% lighter version of the original color is `79, 20.894, 217.654`, and `39, 20.945, 216.157` is the 20% darker color. If you saturate the color by 10%, you get `58, 24.205, 217.858`, and if you desaturate by 10%, it is `61, 17.046, 216.207`.

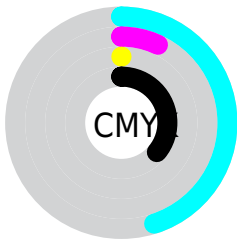
Distribution



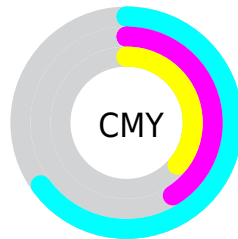
- Red (35%)
- Green (59%)
- Blue (64%)



- Red (35%)
- Yellow (48%)
- Blue (64%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)





- Cyan (65%)
- Magenta (41%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 20.911, 216.899 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 59, 20.911, 216.899 by changing the saturation by 10% instead.


 59, 20.911,
216.899


 59, 20.911,
216.899


 100, 20.911,
216.899


 49, 20.911,
216.899


 79, 20.911,
216.899

 39, 20.911,
216.899


 89, 20.911,
216.899

 29, 20.911,
216.899

 99, 20.911,
216.899

 19, 20.911,
216.899

 9, 20.911, 216.899

 0, 20.911, 216.899

59, 20.911,
216.899

59, 20.911,
216.899

58, 24.205,
217.858

61, 17.046,
216.207

56, 26.865,
219.150

62, 12.689,
215.738

55, 28.857,
220.839

64, 7.920, 215.457

54, 30.188,
222.992

66, 2.820, 215.397

68, 2.541, 34.982

53, 30.926,
225.655

70, 8.099, 35.131

52, 31.196,
226.980

72, 13.803, 35.240

75, 19.607, 35.383

77, 25.478, 35.556

Harmonies

Complementary

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



59, 20.911, 216.899



49, 29.245, 36.255

Rectangle

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



59, 20.911, 216.899



59, 20.911, 266.899



59, 20.911, 36.899



59, 20.911, 86.899

Sweetspot

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



59, 20.911, 216.897



81, 8.971, 215.437



61, 44.919, 145.127



43, 6.206, 215.477



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 20.911, 216.897



73, 29.237, 217.823



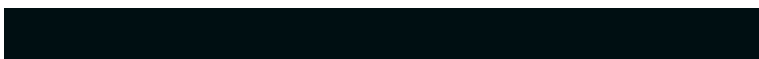
48, 29.059, 277.614



34, 2.973, 215.378



47, 28.643, 226.642



3, 4.620, 219.991

Inverse Universe

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



49, 44.480, 332.035



58, 64.124, 332.661



59, 29.545, 83.880



32, 5.603, 329.762



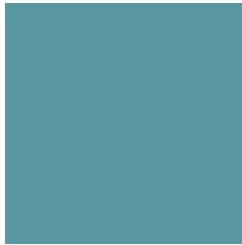
33, 67.136, 335.770



1, 8.412, 330.676

Previews

White Background



This preview shows how the CIELCh color 59, 20.911, 216.899 looks on a white background.

Color Contrast Check

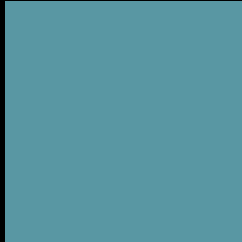
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 20.911, 216.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

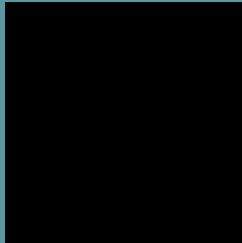
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 20.911, 216.899

Background



This preview shows how black text looks on a background with the CIELCh color 59, 20.911, 216.899.



This preview shows how white text looks on a background with the CIELCh color 59, 20.911, 216.899.

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

59, 20.911, 216.899

Protanopia

59, 9.086, 288.878

Deuteranopia

59, 16.049, 298.465



Tritanopia
59, 20.911, 216.899

Trichromacy



Original Color
59, 20.911, 216.899

Protanomaly
59, 11.617, 246.257

Deuteranomaly
59, 14.110, 261.754

Tritanomaly
59, 20.911, 216.899

Monochromacy



Original Color
59, 20.911, 216.899

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 8.543, 218.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 20.911, 216.899 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, 151, 163)` looks like.

```
.text, #text, p{  
    color:rgb(89, 151, 163)  
}
```

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, 151, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 151, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 20.911, 216.899 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, 151, 163) }
```

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

```
.border{ border-color:rgb(89, 151, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 151, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 151, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 151, 163);  
box-shadow:4px 4px 4px 4px rgb(89, 151,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 20.911, 216.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 151, 163) }
```

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

```
.background{ background-color: rgb(89, 151,  
163) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor