

Converting Colors

CIELCh(62, 19.214, 217.041)

Have a look what the booklet for
CIELCh(62, 19.214, 217.041)
contains.

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Color

CIELCh(62, 19.285, 216.734)

Conversions

Conversions Part 1

Format	Color
Hex	679FAA
RGB	103, 159, 170
RGB Percent	40%, 62%, 67%
CMY	0.5977, 0.3781, 0.3349
CMYK	0.40, 0.06, 0.00, 0.33
HSL	190°, 28%, 53%
HSV	190°, 40%, 67%
XYZ	25.0920, 30.4025, 42.3723
YIQ	143.5100, -36.9070, -8.4510

Conversions

Conversions Part 2

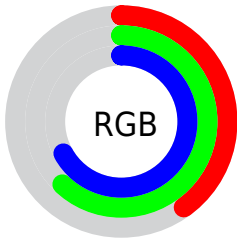
Format	Color
RYB	103, 134, 170
Decimal	6791082
CIELab	62.00, -15.46, -11.53
CIElCh	62, 19.285, 216.734
Yxy	30.4025, 0.2564, 0.3107
Android (android.graphics.Color)	4284981162 (0xFF679FAA)
YUV	143.5100, 13.0596, -35.5273
Hunter-Lab	55.1385, -15.2621, -6.9656

Details

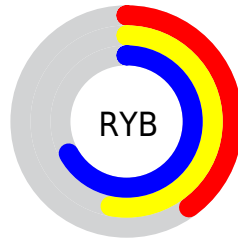
The CIELCh color **62, 19.285, 216.734** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **53, 25.669, 36.086**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 19.276, 215.921**, and **42, 19.264, 217.865** is the 20% darker color. If you saturate the color by 10%, you get **60, 23.023, 217.550**, and if you desaturate by 10%, it is **64, 15.003, 216.158**.

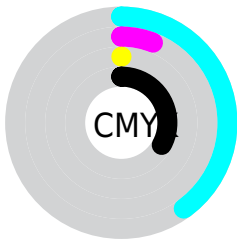
Distribution



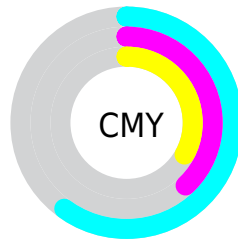
- Red (40%)
- Green (62%)
- Blue (67%)



- Red (40%)
- Yellow (53%)
- Blue (67%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





- Cyan (60%)
- Magenta (38%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 19.285, 216.734 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 62, 19.285, 216.734 by changing the saturation by 10% instead.


 62, 19.285,
216.734


 62, 19.285,
216.734


 100, 19.285,
216.734


 52, 19.285,
216.734


 82, 19.285,
216.734

 42, 19.285,
216.734

 92, 19.285,
216.734

 32, 19.285,
216.734

 22, 19.285,
216.734

 12, 19.285,
216.734

 2, 19.285, 216.734

 0, 19.285, 216.734

62, 19.285,
216.734

62, 19.285,
216.734

60, 23.023,
217.550

64, 15.003,
216.158

59, 26.141,
218.670

66, 10.261,
215.787

58, 28.587,
220.155

68, 5.143, 215.602

56, 30.340,
222.074

70, 0.274, 33.619

72, 5.921, 35.295

55, 31.433,
224.492

74, 11.738, 35.390

54, 32.045,
227.356

76, 17.678, 35.512

79, 23.700, 35.667

54, 32.075,
227.499

81, 29.683, 35.888

Harmonies

Complementary

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



62, 19.285, 216.734



53, 25.669, 36.086

Rectangle

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



62, 19.285, 216.734



62, 19.285, 266.734



62, 19.285, 36.734



62, 19.285, 86.734

Sweetspot

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



62, 19.285, 216.731



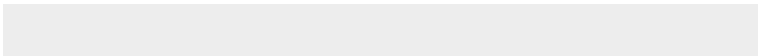
85, 7.948, 215.631



64, 40.605, 145.741



44, 5.246, 215.650



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 19.285, 216.731



77, 27.178, 217.393



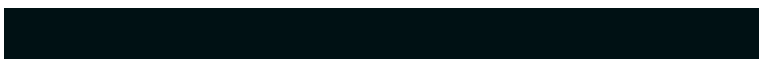
53, 26.019, 276.306



35, 3.045, 215.600



48, 29.007, 227.106



4, 5.521, 221.567

Inverse Universe

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



53, 40.241, 331.738



63, 58.300, 332.277



62, 26.435, 84.662



33, 5.740, 329.829



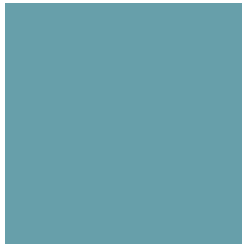
33, 67.883, 335.890



2, 10.021, 331.153

Previews

White Background



This preview shows how the CIELCh color 62, 19.285, 216.734 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 62, 19.285, 216.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

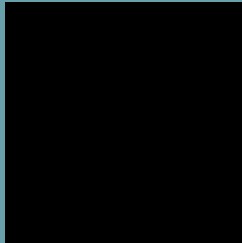
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 19.285, 216.734

Background



This preview shows how black text looks on a background with the CIELCh color 62, 19.285, 216.734.

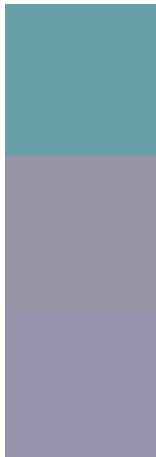


This preview shows how white text looks on a background with the CIELCh color 62, 19.285, 216.734.

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


62, 19.285, 216.734

Protanopia

62, 8.432, 291.111

Deuteranopia

62, 14.887, 301.609



Tritanopia
62, 19.256, 220.432

Trichromacy



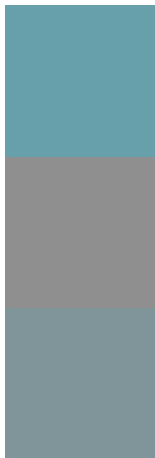
Original Color
62, 19.285, 216.734

Protanomaly
62, 10.318, 244.191

Deuteranomaly
62, 12.423, 264.252

Tritanomaly
62, 19.131, 218.746

Monochromacy



Original Color
62, 19.285, 216.734

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 8.004, 215.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 19.285, 216.734 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, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(103, 159, 170)  
}
```

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, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 159, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 19.285, 216.734 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, 159, 170) }
```

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

```
.border{ border-color:rgb(103, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(103, 159,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 19.285, 216.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 159, 170) }
```

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

```
.background{ background-color: rgb(103,  
159, 170) }
```

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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