

Converting Colors

CIELCh(62, 29.145, 192.617)

Have a look what the booklet for
CIELCh(62, 29.145, 192.617)
contains.

CIELCh(62, 29.177, 192.454)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(62, 29.177, 192.454)

Conversions

Conversions Part 1

Format	Color
Hex	46A4A0
RGB	70, 164, 160
RGB Percent	27%, 64%, 63%
CMY	0.7254, 0.3567, 0.3724
CMYK	0.57, 0.00, 0.02, 0.36
HSL	177°, 40%, 46%
HSV	177°, 57%, 64%
XYZ	22.1554, 30.4025, 37.9705
YIQ	135.4380, -54.7400, -21.1720

Conversions

Conversions Part 2

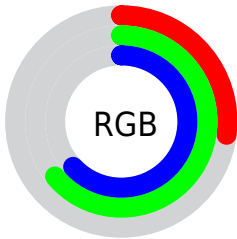
Format	Color
RYB	70, 118, 164
Decimal	4629664
CIELab	62.00, -28.49, -6.29
CIELCh	62, 29.177, 192.454
Yxy	30.4025, 0.2447, 0.3358
Android (android.graphics.Color)	4282819744 (0xFF46A4A0)
YUV	135.4380, 12.1091, -57.3891
Hunter-Lab	55.1385, -24.7685, -2.2324

Details

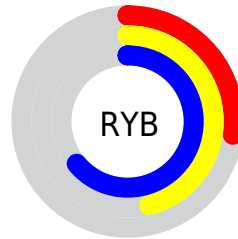
The CIELCh color **62, 29.177, 192.454** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **42, 42.785, 23.547**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 29.118, 193.175**, and **42, 27.868, 192.531** is the 20% darker color. If you saturate the color by 10%, you get **62, 32.251, 191.909**, and if you desaturate by 10%, it is **63, 25.378, 193.009**.

Distribution



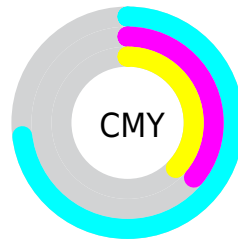
- Red (27%)
- Green (64%)
- Blue (63%)



- Red (27%)
- Yellow (46%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (2%)
- Black (36%)





- Cyan (73%)
- Magenta (36%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 29.177, 192.454 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, 29.177, 192.454 by changing the saturation by 10% instead.

 62, 29.177,
192.454


 62, 29.177,
192.454


 100, 29.177,
192.454

 52, 29.177,
192.454


 82, 29.177,
192.454

 42, 29.177,
192.454

 92, 29.177,
192.454

 32, 29.177,
192.454

 22, 29.177,
192.454

 12, 29.177,
192.454

 2, 29.177, 192.454

 0, 29.177, 192.454

62, 29.177,
192.454

62, 29.177,
192.454

62, 32.251,
191.909

63, 25.378,
193.009

61, 34.568,
191.370

63, 20.918,
193.586

61, 36.141,
190.826

64, 15.885,
194.185

61, 37.069,
190.267

65, 10.375,
194.812

61, 37.283,
190.118

66, 4.486, 195.502

68, 1.688, 15.762

69, 8.065, 16.638

71, 14.573, 17.327

72, 21.154, 18.003

Harmonies

Complementary

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



62, 29.177, 192.454



42, 42.785, 23.547

Rectangle

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



62, 29.177, 192.454



62, 29.177, 242.454



62, 29.177, 12.454



62, 29.177, 62.454

Sweetspot

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



62, 29.177, 192.452



83, 12.663, 194.811



60, 60.959, 138.727



44, 8.412, 194.691



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



62, 29.177, 192.452



78, 40.279, 191.748



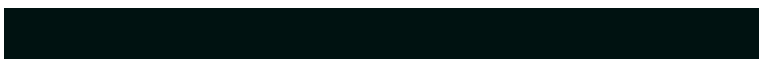
49, 28.247, 260.882



34, 3.444, 195.355



54, 34.107, 190.178



4, 5.488, 194.749

Inverse Universe

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



42, 42.785, 23.547



50, 65.103, 27.318



52, 35.250, 63.428



32, 3.631, 16.454



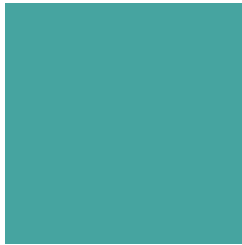
30, 66.586, 37.551



1, 5.476, 16.197

Previews

White Background



This preview shows how the CIELCh color 62, 29.177, 192.454 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, 29.177, 192.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

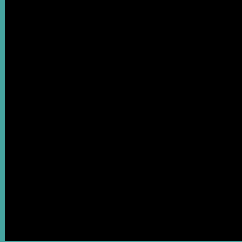
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

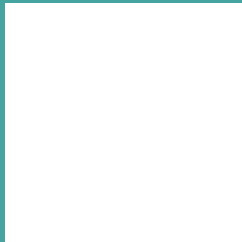
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 29.177, 192.454

Background



This preview shows how black text looks on a background with the CIELCh color 62, 29.177, 192.454.

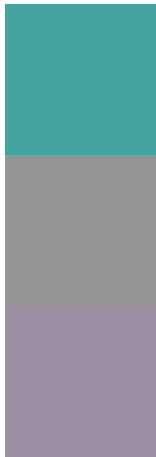


This preview shows how white text looks on a background with the CIELCh color 62, 29.177, 192.454.

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, 29.177, 192.454

Protanopia

62, 2.060, 324.446

Deuteranopia

62, 11.507, 312.251



Tritanopia
62, 26.429, 213.541

Trichromacy



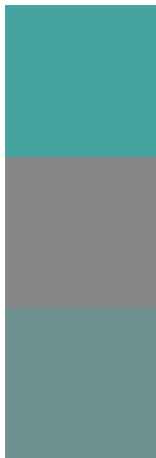
Original Color
62, 29.177, 192.454

Protanomaly
61, 11.628, 198.381

Deuteranomaly
61, 11.256, 232.225

Tritanomaly
62, 27.044, 205.625

Monochromacy



Original Color
62, 29.177, 192.454

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 12.878, 193.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 29.177, 192.454 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(70, 164, 160)` looks like.

```
.text, #text, p{  
    color:rgb(70, 164, 160)  
}
```

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(70, 164, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 164, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 29.177, 192.454 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(70, 164, 160) }
```

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

```
.border{ border-color:rgb(70, 164, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 164, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 164, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 164, 160);  
box-shadow:4px 4px 4px 4px rgb(70, 164,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 29.177, 192.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 164, 160) }
```

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

```
.background{ background-color: rgb(70, 164,  
160) }
```

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