

Converting Colors

CIELCh(63, 21.364, 194.537)

Have a look what the booklet for
CIELCh(63, 21.364, 194.537)
contains.

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Color

CIELCh(63, 21.364, 194.537)

Conversions

Conversions Part 1

Format	Color
Hex	64A3A1
RGB	100, 163, 161
RGB Percent	39%, 64%, 63%
CMY	0.6069, 0.3598, 0.3677
CMYK	0.39, 0.00, 0.01, 0.36
HSL	178°, 26%, 52%
HSV	178°, 39%, 64%
XYZ	24.8780, 31.5869, 38.6170
YIQ	143.9350, -36.9060, -13.9780

Conversions

Conversions Part 2

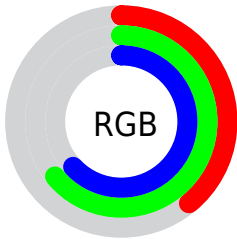
Format	Color
RYB	100, 132, 163
Decimal	6595489
CIELab	63.00, -20.68, -5.36
CIElCh	63, 21.364, 194.537
Yxy	31.5869, 0.2616, 0.3322
Android (android.graphics.Color)	4284785569 (0xFF64A3A1)
YUV	143.9350, 8.4130, -38.5310
Hunter-Lab	56.2022, -19.3407, -1.3970

Details

The CIELCh color **63, 21.364, 194.537** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 27.443, 20.614**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 21.266, 195.061**, and **43, 21.265, 195.367** is the 20% darker color. If you saturate the color by 10%, you get **62, 25.690, 194.013**, and if you desaturate by 10%, it is **64, 16.449, 195.087**.

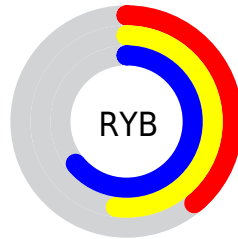
Distribution



Red (39%)

Green (64%)

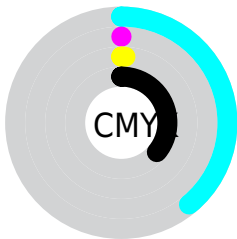
Blue (63%)



Red (39%)

Yellow (52%)

Blue (64%)

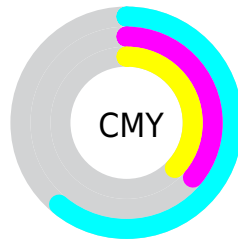


Cyan (39%)

Magenta (0%)

Yellow (1%)

Black (36%)



Cyan (61%)


Magenta (36%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 21.364, 194.537 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 63, 21.364, 194.537 by changing the saturation by 10% instead.


 63, 21.364,
194.537


 63, 21.364,
194.537


 100, 21.364,
194.537


 53, 21.364,
194.537


 83, 21.364,
194.537

 43, 21.364,
194.537

 93, 21.364,
194.537

 33, 21.364,
194.537

 23, 21.364,
194.537

 13, 21.364,
194.537

 3, 21.364, 194.537

 0, 21.364, 194.537

63, 21.364,
194.537

63, 21.364,
194.537

62, 25.690,
194.013

64, 16.449,
195.087

62, 29.343,
193.521

65, 11.040,
195.674

61, 32.266,
193.054

66, 5.233, 196.319

61, 34.432,
192.605

67, 0.876, 16.309

69, 7.204, 17.416

61, 35.861,
192.165

70, 13.678, 18.092

61, 36.694,
191.726

72, 20.238, 18.754

74, 26.835, 19.412

61, 36.800,
191.665

75, 33.432, 20.066

Harmonies

Complementary

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



63, 21.364, 194.537



49, 27.443, 20.614

Rectangle

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



63, 21.364, 194.537



63, 21.364, 244.537



63, 21.364, 14.537



63, 21.364, 64.537

Sweetspot

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



63, 21.364, 194.534



83, 8.952, 196.074



62, 42.250, 140.869



44, 5.967, 195.995



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 21.364, 194.534



79, 30.303, 194.102



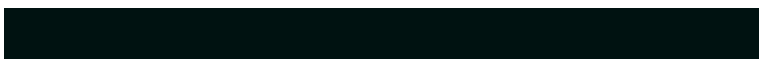
54, 19.825, 257.984



34, 3.439, 196.272



54, 33.787, 191.709



4, 5.478, 195.912

Inverse Universe

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



49, 27.443, 20.614



59, 41.392, 22.035



57, 22.595, 67.239



32, 3.630, 17.326



30, 66.954, 37.992



1, 5.471, 17.007

Previews

White Background



This preview shows how the CIELCh color 63, 21.364, 194.537 looks on a white background.

Color Contrast Check

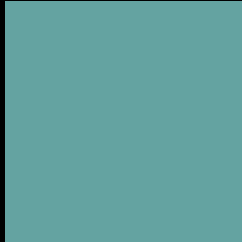
Large Text (above 18pt) WCAG AA × Fail

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 63, 21.364, 194.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

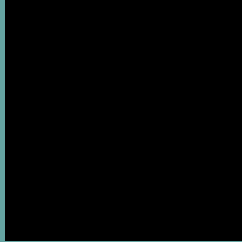
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 21.364, 194.537

Background



This preview shows how black text looks on a background with the CIELCh color 63, 21.364, 194.537.

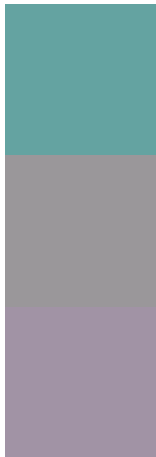


This preview shows how white text looks on a background with the CIELCh color 63, 21.364, 194.537.

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


63, 21.364, 194.537

Protanopia

63, 2.053, 324.443

Deuteranopia

63, 11.435, 318.593



Tritanopia
63, 19.762, 219.725

Trichromacy



Original Color
63, 21.364, 194.537

Protanomaly
62, 7.794, 207.069

Deuteranomaly
62, 7.899, 250.604

Tritanomaly
63, 19.840, 209.275

Monochromacy



Original Color
63, 21.364, 194.537

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 8.585, 194.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 21.364, 194.537 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, 163, 161)` looks like.

```
.text, #text, p{  
    color:rgb(100, 163, 161)  
}
```

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, 163, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 163, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 21.364, 194.537 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, 163, 161) }
```

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

```
.border{ border-color:rgb(100, 163, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 163, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 163, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 163, 161);  
box-shadow:4px 4px 4px 4px rgb(100, 163,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 21.364, 194.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 163, 161) }
```

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

```
.background{ background-color: rgb(100,  
163, 161) }
```

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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