

Converting Colors

CIELCh(64, 19.996, 159.779)

Have a look what the booklet for
CIELCh(64, 19.996, 159.779)
contains.

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Color

CIELCh(64, 19.843, 159.582)

Conversions

Conversions Part 1

Format	Color
Hex	7BA48E
RGB	123, 164, 142
RGB Percent	48%, 64%, 56%
CMY	0.5169, 0.3561, 0.4424
CMYK	0.25, 0.00, 0.13, 0.36
HSL	148°, 18%, 56%
HSV	148°, 25%, 64%
XYZ	26.4001, 32.8017, 30.6033
YIQ	149.2330, -17.3740, -15.5340

Conversions

Conversions Part 2

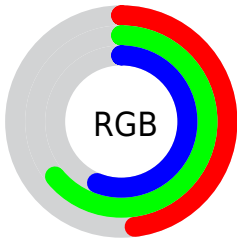
Format	Color
RYB	123, 151, 164
Decimal	8103054
CIELab	64.00, -18.60, 6.92
CIElCh	64, 19.843, 159.582
Yxy	32.8017, 0.2940, 0.3653
Android (android.graphics.Color)	4286293134 (0xFF7BA48E)
YUV	149.2330, -3.5659, -23.0063
Hunter-Lab	57.2727, -17.9471, 8.4097

Details

The CIELCh color $64, 19.843, 159.582$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $56, 20.354, 343.841$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 19.726, 160.151$, and $44, 19.736, 159.870$ is the 20% darker color. If you saturate the color by 10%, you get $63, 27.603, 158.522$, and if you desaturate by 10%, it is $65, 11.925, 160.529$.

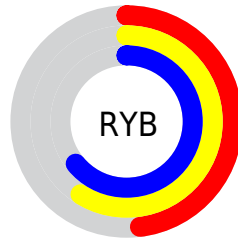
Distribution



Red (48%)

Green (64%)

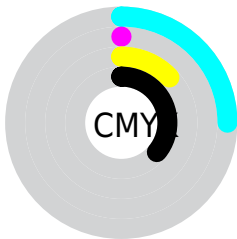
Blue (56%)



Red (48%)

Yellow (59%)

Blue (64%)

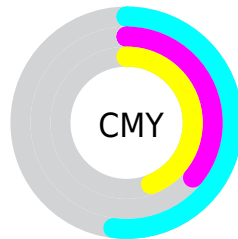


Cyan (25%)

Magenta (0%)

Yellow (13%)

Black (36%)



Cyan (52%)

Magenta (36%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 19.843, 159.582 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 64, 19.843, 159.582 by changing the saturation by 10% instead.

 64, 19.843,
159.582


 64, 19.843,
159.582


 100, 19.843,
159.582


 54, 19.843,
159.582


 84, 19.843,
159.582

 44, 19.843,
159.582

 94, 19.843,
159.582

 34, 19.843,
159.582

 24, 19.843,
159.582

 14, 19.843,
159.582

 4, 19.843, 159.582

 0, 19.843, 159.582

■ 64, 19.843,
159.582

■ 64, 19.843,
159.582

■ 63, 27.603,
158.522

■ 65, 11.925,
160.529

■ 62, 35.078,
157.328

■ 67, 3.953, 161.426

■ 61, 42.137,
155.973

■ 68, 3.985, 342.012

■ 60, 48.652,
154.436

■ 70, 11.821,
342.758

■ 60, 54.514,
152.699

■ 72, 19.506,
343.401

■ 59, 59.660,
150.759

■ 74, 27.007,
343.988

■ 59, 64.084,
148.637

■ 76, 34.304,
344.531

■ 59, 66.152,

■ 78, 41.384,
345.038

147.596

 78, 44.127,
340.142

Harmonies

Complementary

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



64, 19.843, 159.582



56, 20.354, 343.841

Rectangle

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



64, 19.843, 159.582



64, 19.843, 209.582



64, 19.843, 339.582



64, 19.843, 29.582

Sweetspot

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



64, 19.844, 159.581



84, 6.911, 161.226



65, 23.747, 126.131



44, 4.484, 161.178



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 19.844, 159.581



81, 29.501, 159.005



65, 14.682, 193.664



34, 4.479, 161.037



53, 60.175, 147.848



4, 7.196, 159.571

Inverse Universe

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



56, 20.354, 343.841



69, 30.414, 344.400



56, 17.033, 17.407



32, 4.527, 342.415



31, 56.331, 357.761



1, 6.734, 344.400

Previews

White Background



This preview shows how the CIELCh color 64, 19.843, 159.582 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 CIE LCh color 64, 19.843, 159.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

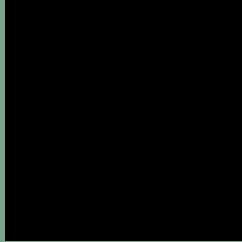
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 19.843, 159.582

Background



This preview shows how black text looks on a background with the CIELCh color 64, 19.843, 159.582.

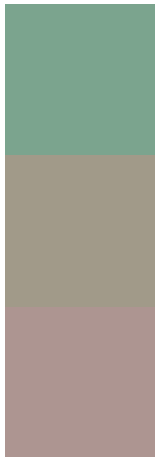


This preview shows how white text looks on a background with the CIELCh color 64, 19.843, 159.582.

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

64, 19.843, 159.582

Protanopia

64, 9.847, 92.509

Deuteranopia

64, 9.861, 33.208



Tritanopia
64, 12.814, 233.284

Trichromacy



Original Color
64, 19.843, 159.582

Protanomaly
64, 11.435, 131.285

Deuteranomaly
64, 6.111, 109.505

Tritanomaly
64, 12.564, 198.337

Monochromacy



Original Color
64, 19.843, 159.582

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 7.330, 161.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 19.843, 159.582 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(123, 164, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 164, 142)  
}
```

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(123, 164, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 164, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 19.843, 159.582 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(123, 164, 142) }
```

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

```
.border{ border-color:rgb(123, 164, 142) }
```

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

Here you see how a box with a 4 pixel rgb(123, 164, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 164, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 164, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 164,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 19.843, 159.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 164, 142) }
```

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

```
.background{ background-color: rgb(123,  
164, 142) }
```

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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