

Converting Colors

CIELCh(64, 31.357, 190.936)

Have a look what the booklet for
CIELCh(64, 31.357, 190.936)
contains.

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Color

CIELCh(64, 31.235, 191.629)

Conversions

Conversions Part 1

Format	Color
Hex	43AAA5
RGB	67, 170, 165
RGB Percent	26%, 67%, 65%
CMY	0.7358, 0.3321, 0.3517
CMYK	0.60, 0.00, 0.03, 0.33
HSL	177°, 43%, 47%
HSV	177°, 60%, 67%
XYZ	23.5932, 32.8017, 40.8330
YIQ	138.6330, -59.7830, -23.3910

Conversions

Conversions Part 2

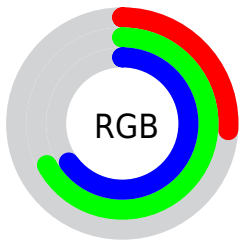
Format	Color
RYB	67, 120, 170
Decimal	4434597
CIELab	64.00, -30.59, -6.30
CIElCh	64, 31.235, 191.629
Yxy	32.8017, 0.2427, 0.3374
Android (android.graphics.Color)	4282624677 (0xFF43AAA5)
YUV	138.6330, 12.9989, -62.8221
Hunter-Lab	57.2727, -26.6952, -2.1803

Details

The CIELCh color **64, 31.235, 191.629** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 46.697, 23.974**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 31.350, 191.436**, and **44, 28.928, 191.470** is the 20% darker color. If you saturate the color by 10%, you get **64, 34.174, 191.042**, and if you desaturate by 10%, it is **65, 27.532, 192.217**.

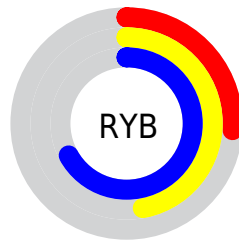
Distribution



Red (26%)

Green (67%)

Blue (65%)



Red (26%)

Yellow (47%)

Blue (67%)

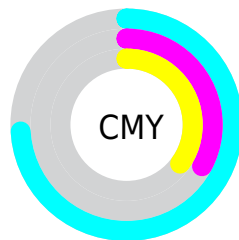


Cyan (60%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (74%)


Magenta (33%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.235, 191.629 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, 31.235, 191.629 by changing the saturation by 10% instead.

 64, 31.235,
191.629

 64, 31.235,
191.629


 100, 31.235,
191.629


 54, 31.235,
191.629


 84, 31.235,
191.629

 44, 31.235,
191.629

 94, 31.235,
191.629

 34, 31.235,
191.629

 24, 31.235,
191.629

 14, 31.235,
191.629

 4, 31.235, 191.629

 0, 31.235, 191.629

■ 64, 31.235,
191.629

■ 64, 31.235,
191.629

■ 64, 34.174,
191.042

■ 65, 27.532,
192.217

■ 63, 36.331,
190.451

■ 65, 23.125,
192.817

■ 63, 37.733,
189.841

■ 66, 18.096,
193.435

■ 63, 38.553,
189.240

■ 67, 12.545,
194.074

■ 68, 6.575, 194.752

■ 70, 0.285, 197.032

■ 71, 6.236, 15.923

■ 73, 12.910, 16.635

■ 74, 19.674, 17.323

Harmonies

Complementary

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



64, 31.235, 191.629



43, 46.697, 23.974

Rectangle

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



64, 31.235, 191.629



64, 31.235, 241.629



64, 31.235, 11.629



64, 31.235, 61.629

Sweetspot

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



64, 31.235, 191.627



86, 13.775, 194.214



62, 65.767, 138.401



45, 9.572, 194.027



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 31.235, 191.627



81, 42.752, 190.815



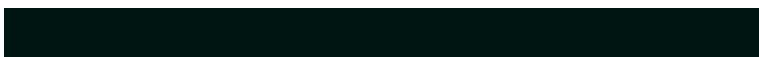
50, 30.554, 261.930



35, 3.537, 194.837



55, 34.736, 189.319



5, 6.612, 193.799

Inverse Universe

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



43, 46.697, 23.974



51, 70.787, 28.369



53, 38.646, 63.062



33, 3.727, 15.967



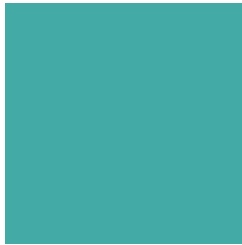
30, 67.307, 37.392



1, 6.590, 15.924

Previews

White Background



This preview shows how the CIELCh color 64, 31.235, 191.629 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 64, 31.235, 191.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

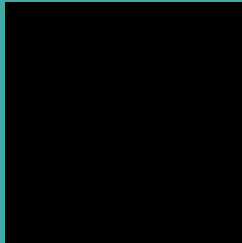
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.235, 191.629

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.235, 191.629.

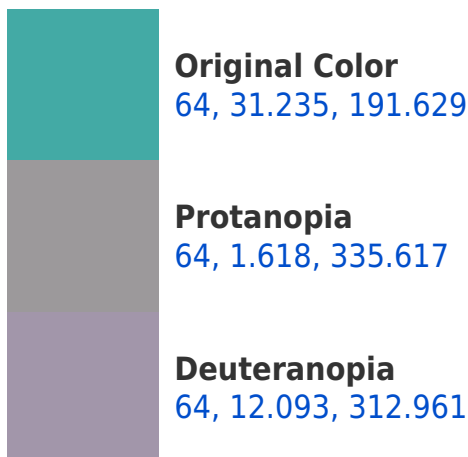


This preview shows how white text looks on a background with the CIELCh color 64, 31.235, 191.629.

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





Tritanopia
64, 28.108, 212.367

Trichromacy



Original Color
64, 31.235, 191.629



Protanomaly
63, 12.592, 198.319



Deuteranomaly
63, 11.773, 230.336



Tritanomaly
64, 28.814, 203.825

Monochromacy



Original Color
64, 31.235, 191.629



Achromatopsia
58, 0.007, 296.813



Achromatomaly
59, 13.411, 195.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.235, 191.629 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(67, 170, 165)` looks like.

```
.text, #text, p{  
    color:rgb(67, 170, 165)  
}
```

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(67, 170, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 170, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.235, 191.629 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(67, 170, 165) }
```

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

```
.border{ border-color:rgb(67, 170, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 170, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 170, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 170, 165);  
box-shadow:4px 4px 4px 4px rgb(67, 170,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.235, 191.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 170, 165) }
```

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

```
.background{ background-color: rgb(67, 170,  
165) }
```

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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