

Converting Colors

CIELCh(64, 31.218, 170.354)

Have a look what the booklet for
CIELCh(64, 31.218, 170.354)
contains.

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Color

CIELCh(64, 31.390, 170.347)

Conversions

Conversions Part 1

Format	Color
Hex	59AA91
RGB	89, 170, 145
RGB Percent	35%, 67%, 57%
CMY	0.6520, 0.3343, 0.4323
CMYK	0.48, 0.00, 0.15, 0.33
HSL	161°, 32%, 51%
HSV	161°, 48%, 67%
XYZ	23.5141, 32.8017, 31.7807
YIQ	142.9310, -40.2510, -24.9470

Conversions

Conversions Part 2

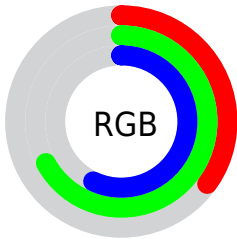
Format	Color
RYB	89, 137, 170
Decimal	5876369
CIELab	64.00, -30.95, 5.26
CIElCh	64, 31.390, 170.347
Yxy	32.8017, 0.2669, 0.3723
Android (android.graphics.Color)	4284066449 (0xFF59AA91)
YUV	142.9310, 1.0200, -47.2975
Hunter-Lab	57.2727, -26.9418, 7.1908

Details

The CIELCh color **64, 31.390, 170.347** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 35.972, 1.457**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 31.401, 170.252**, and **44, 31.041, 170.831** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.824, 168.978**, and if you desaturate by 10%, it is **65, 25.420, 171.582**.

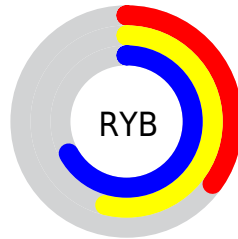
Distribution



Red (35%)

Green (67%)

Blue (57%)



Red (35%)

Yellow (54%)

Blue (67%)

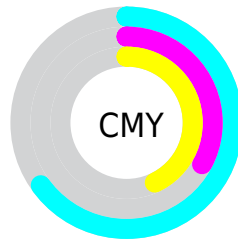


Cyan (48%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (65%)


Magenta (33%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.390, 170.347 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, 31.390, 170.347 by changing the saturation by 10% instead.


 64, 31.390,
170.347


 64, 31.390,
170.347


 100, 31.390,
170.347


 54, 31.390,
170.347


 84, 31.390,
170.347

 44, 31.390,
170.347

 94, 31.390,
170.347

 34, 31.390,
170.347

 24, 31.390,
170.347

 14, 31.390,
170.347

 4, 31.390, 170.347

 0, 31.390, 170.347

■ 64, 31.390,
170.347

■ 64, 31.390,
170.347

■ 63, 36.824,
168.978

■ 65, 25.420,
171.582

■ 63, 41.625,
167.454

■ 66, 19.025,
172.710

■ 62, 45.730,
165.752

■ 67, 12.319,
173.753

■ 62, 49.125,
163.856

■ 68, 5.409, 174.752

■ 62, 51.901,
161.793

■ 70, 1.612, 355.307

■ 62, 52.511,
161.333

■ 71, 8.665, 356.359

■ 73, 15.688,
357.176

■ 75, 22.636,
357.940

■ 77, 29.474,
358.666

Harmonies

Complementary

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



64, 31.390, 170.347



48, 35.972, 1.457

Rectangle

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



64, 31.390, 170.347



64, 31.390, 220.347



64, 31.390, 350.347



64, 31.390, 40.347

Sweetspot

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



64, 31.391, 170.346



86, 12.142, 174.100



64, 49.037, 132.865



46, 8.433, 173.890



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, 31.391, 170.346



81, 45.164, 168.931



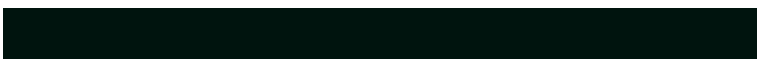
60, 22.208, 220.111



35, 3.934, 174.595



54, 47.251, 161.602



5, 7.570, 170.414

Inverse Universe

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



48, 35.972, 1.457



58, 53.137, 3.653



51, 31.668, 38.241



33, 4.037, 356.174



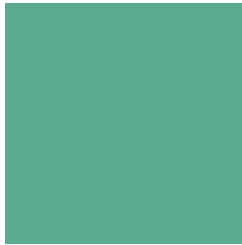
31, 57.880, 19.238



2, 7.077, 358.388

Previews

White Background



This preview shows how the CIELCh color 64, 31.390, 170.347 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, 31.390, 170.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

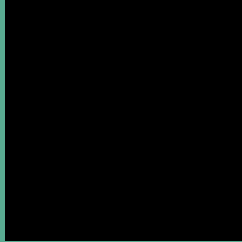
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.390, 170.347

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.390, 170.347.

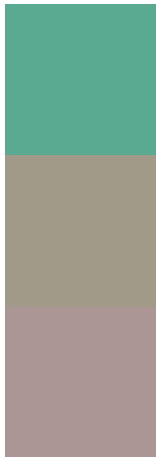


This preview shows how white text looks on a background with the CIELCh color 64, 31.390, 170.347.

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, 31.390, 170.347

Protanopia

64, 10.382, 93.292

Deuteranopia

64, 8.697, 20.190



Tritanopia
64, 22.254, 216.933

Trichromacy



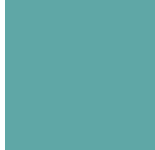
Original Color
64, 31.390, 170.347



Protanomaly
63, 15.262, 148.171



Deuteranomaly
63, 8.348, 156.771



Tritanomaly
64, 23.680, 196.049

Monochromacy



Original Color
64, 31.390, 170.347



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 12.432, 174.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.390, 170.347 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(89, 170, 145)` looks like.

```
.text, #text, p{  
    color:rgb(89, 170, 145)  
}
```

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(89, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 170, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.390, 170.347 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(89, 170, 145) }
```

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

```
.border{ border-color:rgb(89, 170, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 170, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 170, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 170, 145);  
box-shadow:4px 4px 4px 4px rgb(89, 170,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.390, 170.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 170, 145) }
```

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

```
.background{ background-color: rgb(89, 170,  
145) }
```

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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