

Converting Colors

CIELCh(64, 31.970, 173.860)

Have a look what the booklet for
CIELCh(64, 31.970, 173.860)
contains.

CIELCh(64, 31.870, 173.987)	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(64, 31.870, 173.987)

Conversions

Conversions Part 1

Format	Color
Hex	53AA94
RGB	83, 170, 148
RGB Percent	33%, 67%, 58%
CMY	0.6738, 0.3327, 0.4190
CMYK	0.51, 0.00, 0.13, 0.33
HSL	165°, 34%, 50%
HSV	165°, 51%, 67%
XYZ	23.3461, 32.8017, 33.1843
YIQ	141.4790, -44.7900, -25.2860

Conversions

Conversions Part 2

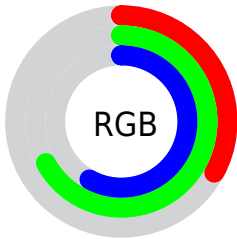
Format	Color
RYB	83, 133, 170
Decimal	5483156
CIELab	64.00, -31.69, 3.34
CIElCh	64, 31.870, 173.987
Yxy	32.8017, 0.2613, 0.3672
Android (android.graphics.Color)	4283673236 (0xFF53AA94)
YUV	141.4790, 3.2149, -51.2861
Hunter-Lab	57.2727, -27.4653, 5.7378

Details

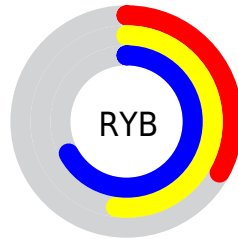
The CIELCh color **64, 31.870, 173.987** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **47, 38.205, 6.271**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 32.098, 173.903**, and **44, 31.902, 173.756** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.715, 172.646**, and if you desaturate by 10%, it is **65, 26.425, 175.204**.

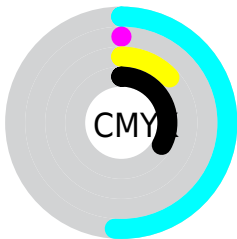
Distribution



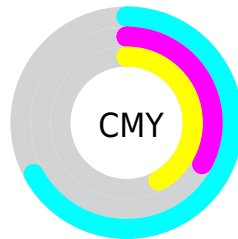
- Red (33%)
- Green (67%)
- Blue (58%)



- Red (33%)
- Yellow (52%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.870, 173.987 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, 31.870, 173.987 by changing the saturation by 10% instead.

 64, 31.870,
173.987


 64, 31.870,
173.987


 100, 31.870,
173.987


 54, 31.870,
173.987


 84, 31.870,
173.987

 44, 31.870,
173.987

 94, 31.870,
173.987

 34, 31.870,
173.987

 24, 31.870,
173.987

 14, 31.870,
173.987

 4, 31.870, 173.987

 0, 31.870, 173.987

■ 64, 31.870,
173.987

■ 64, 31.870,
173.987

■ 63, 36.715,
172.646

■ 65, 26.425,
175.204

■ 63, 40.879,
171.160

■ 66, 20.482,
176.322

■ 62, 44.319,
169.506

■ 67, 14.154,
177.362

■ 62, 47.048,
167.669

■ 68, 7.549, 178.352

■ 62, 49.045,
165.948

■ 70, 0.765, 179.772

■ 71, 6.111, 359.989

■ 73, 13.011, 0.846

■ 74, 19.881, 1.642

■ 76, 26.679, 2.401

Harmonies

Complementary

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



64, 31.870, 173.987



47, 38.205, 6.271

Rectangle

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



64, 31.870, 173.987



64, 31.870, 223.987



64, 31.870, 353.987



64, 31.870, 43.987

Sweetspot

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



64, 31.871, 173.986



86, 12.572, 177.945



64, 53.220, 134.108



46, 8.623, 177.743



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, 31.871, 173.986



81, 45.282, 172.507



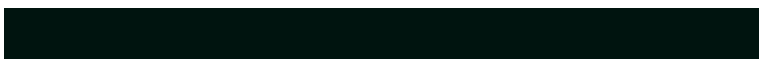
59, 23.132, 227.976



35, 3.813, 178.535



54, 44.080, 166.204



5, 7.297, 174.408

Inverse Universe

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



47, 38.205, 6.271



56, 56.315, 8.955



51, 33.478, 42.814



33, 3.932, 0.104



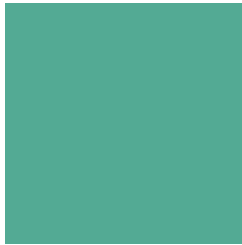
30, 59.464, 24.123



1, 6.920, 1.905

Previews

White Background



This preview shows how the CIELCh color 64, 31.870, 173.987 looks on a white background.

Color Contrast Check

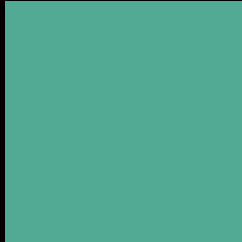
Large Text (above 18pt) WCAG AA × Fail

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, 31.870, 173.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

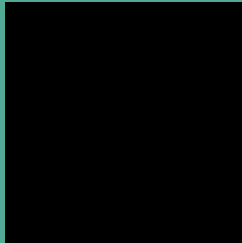
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.870, 173.987

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.870, 173.987.

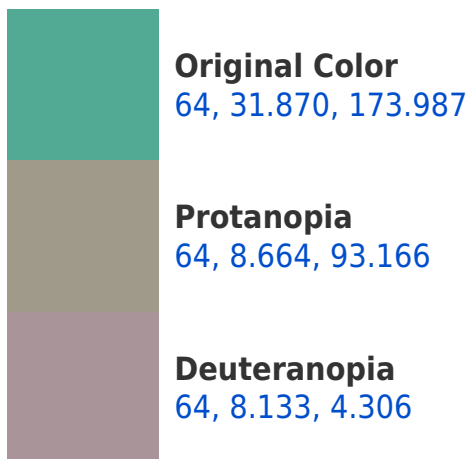


This preview shows how white text looks on a background with the CIELCh color 64, 31.870, 173.987.

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, 23.677, 215.622

Trichromacy



Original Color
64, 31.870, 173.987



Protanomaly
63, 14.781, 155.382



Deuteranomaly
63, 7.971, 173.826

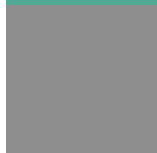


Tritanomaly
64, 25.344, 197.290

Monochromacy



Original Color
64, 31.870, 173.987



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 12.518, 177.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.870, 173.987 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(83, 170, 148)` looks like.

```
.text, #text, p{  
    color:rgb(83, 170, 148)  
}
```

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(83, 170, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 170, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.870, 173.987 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(83, 170, 148) }
```

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

```
.border{ border-color:rgb(83, 170, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 170, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 170, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 170, 148);  
box-shadow:4px 4px 4px 4px rgb(83, 170,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.870, 173.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 170, 148) }
```

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

```
.background{ background-color: rgb(83, 170,  
148) }
```

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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