

Converting Colors

CIELCh(64, 32.132, 172.991)

Have a look what the booklet for
CIELCh(64, 32.132, 172.991)
contains.

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Color

CIELCh(64, 31.941, 172.955)

Conversions

Conversions Part 1

Format	Color
Hex	54AA93
RGB	84, 170, 147
RGB Percent	33%, 67%, 58%
CMY	0.6700, 0.3328, 0.4230
CMYK	0.51, 0.00, 0.14, 0.33
HSL	164°, 34%, 50%
HSV	164°, 51%, 67%
XYZ	23.3450, 32.8017, 32.7579
YIQ	141.6640, -43.8730, -25.3850

Conversions

Conversions Part 2

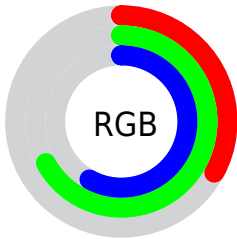
Format	Color
RYB	84, 134, 170
Decimal	5548691
CIELab	64.00, -31.70, 3.92
CIElCh	64, 31.941, 172.955
Yxy	32.8017, 0.2626, 0.3690
Android (android.graphics.Color)	4283738771 (0xFF54AA93)
YUV	141.6640, 2.6306, -50.5713
Hunter-Lab	57.2727, -27.4689, 6.1792

Details

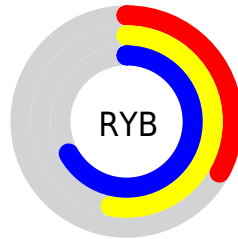
The CIELCh color **64, 31.941, 172.955** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **47, 37.846, 5.054**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 32.117, 172.896**, and **44, 31.683, 173.622** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.924, 171.597**, and if you desaturate by 10%, it is **65, 26.372, 174.184**.

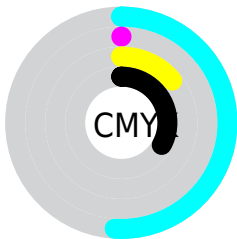
Distribution



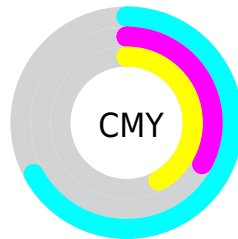
- Red (33%)
- Green (67%)
- Blue (58%)



- Red (33%)
- Yellow (53%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (14%)
- Black (33%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.941, 172.955 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, 31.941, 172.955 by changing the saturation by 10% instead.


 64, 31.941,
172.955


 64, 31.941,
172.955


 100, 31.941,
172.955


 54, 31.941,
172.955


 84, 31.941,
172.955

 44, 31.941,
172.955

 94, 31.941,
172.955

 34, 31.941,
172.955

 24, 31.941,
172.955

 14, 31.941,
172.955

 4, 31.941, 172.955

 0, 31.941, 172.955

■ 64, 31.941,
172.955

■ 64, 31.941,
172.955

■ 63, 36.924,
171.597

■ 65, 26.372,
174.184

■ 63, 41.234,
170.091

■ 66, 20.320,
175.312

■ 62, 44.827,
168.413

■ 67, 13.899,
176.358

■ 62, 47.709,
166.547

■ 68, 7.217, 177.353

■ 62, 49.955,
164.678

■ 70, 0.373, 179.362

■ 71, 6.551, 358.992

■ 73, 13.486,
359.842

■ 75, 20.379, 0.633

■ 76, 27.192, 1.386

Harmonies

Complementary

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



64, 31.941, 172.955



47, 37.846, 5.054

Rectangle

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



64, 31.941, 172.955



64, 31.941, 222.955



64, 31.941, 352.955



64, 31.941, 42.955

Sweetspot

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



64, 31.942, 172.954



86, 12.678, 176.886



64, 52.388, 133.676



46, 8.698, 176.683



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, 31.942, 172.954



81, 45.881, 171.373



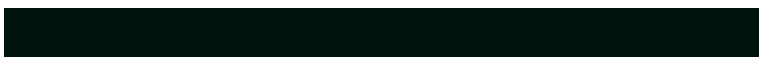
59, 22.990, 225.369



35, 3.843, 177.479



54, 44.895, 164.939



5, 7.366, 173.312

Inverse Universe

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



47, 37.846, 5.054



56, 56.342, 7.827



51, 33.319, 41.305



33, 3.958, 359.054



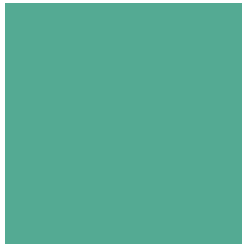
30, 59.004, 22.878



1, 6.959, 0.969

Previews

White Background



This preview shows how the CIELCh color 64, 31.941, 172.955 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, 31.941, 172.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

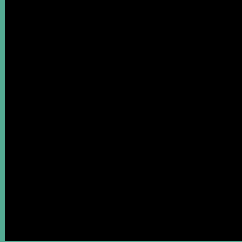
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 31.941, 172.955

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.941, 172.955.

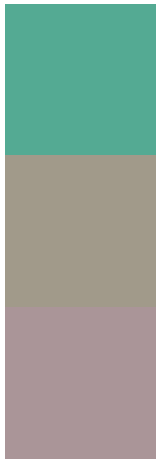


This preview shows how white text looks on a background with the CIELCh color 64, 31.941, 172.955.

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, 31.941, 172.955

Protanopia
64, 9.314, 91.630

Deuteranopia
64, 8.404, 8.758



Tritanopia
64, 23.445, 215.823

Trichromacy



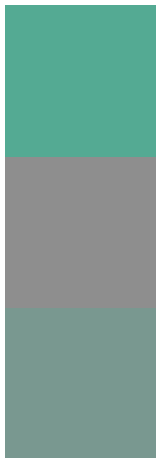
Original Color
64, 31.941, 172.955

Protanomaly
63, 14.919, 152.939

Deuteranomaly
63, 7.921, 169.135

Tritanomaly
64, 25.205, 196.015

Monochromacy



Original Color
64, 31.941, 172.955

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, 31.941, 172.955 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(84, 170, 147)` looks like.

```
.text, #text, p{  
    color:rgb(84, 170, 147)  
}
```

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(84, 170, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 170, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.941, 172.955 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(84, 170, 147) }
```

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

```
.border{ border-color:rgb(84, 170, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 170, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 170, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 170, 147);  
box-shadow:4px 4px 4px 4px rgb(84, 170,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.941, 172.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 170, 147) }
```

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

```
.background{ background-color: rgb(84, 170,  
147) }
```

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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