

Converting Colors

CIELCh(64, 40.207, 172.787)

Have a look what the booklet for
CIELCh(64, 40.207, 172.787)
contains.

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Color

CIELCh(64, 39.967, 173.028)

Conversions

Conversions Part 1

Format	Color
Hex	35AD91
RGB	53, 173, 145
RGB Percent	21%, 68%, 57%
CMY	0.7908, 0.3206, 0.4304
CMYK	0.69, 0.00, 0.16, 0.32
HSL	166°, 53%, 44%
HSV	166°, 69%, 68%
XYZ	21.6070, 32.8017, 32.0778
YIQ	133.9280, -62.5320, -34.1480

Conversions

Conversions Part 2

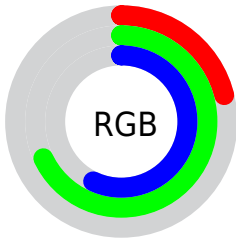
Format	Color
RYB	53, 121, 173
Decimal	3517841
CIELab	64.00, -39.67, 4.85
CIELCh	64, 39.967, 173.028
Yxy	32.8017, 0.2498, 0.3793
Android (android.graphics.Color)	4281707921 (0xFF35AD91)
YUV	133.9280, 5.4585, -70.9739
Hunter-Lab	57.2727, -32.8855, 6.8832

Details

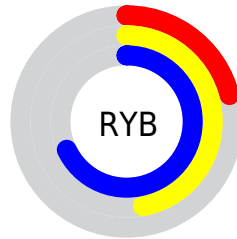
The CIELCh color **64, 39.967, 173.028** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **41, 51.803, 12.666**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 39.885, 173.254**, and **45, 35.636, 170.775** is the 20% darker color. If you saturate the color by 10%, you get **64, 43.444, 171.454**, and if you desaturate by 10%, it is **65, 35.753, 174.443**.

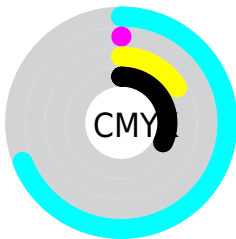
Distribution



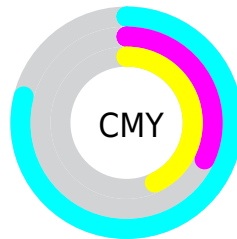
- Red (21%)
- Green (68%)
- Blue (57%)



- Red (21%)
- Yellow (47%)
- Blue (68%)



- Cyan (69%)
- Magenta (0%)
- Yellow (16%)
- Black (32%)





- Cyan (79%)
- Magenta (32%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 39.967, 173.028 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, 39.967, 173.028 by changing the saturation by 10% instead.

 64, 39.967,
173.028


 64, 39.967,
173.028


 100, 39.967,
173.028


 54, 39.967,
173.028


 84, 39.967,
173.028

 44, 39.967,
173.028

 94, 39.967,
173.028

 34, 39.967,
173.028

 24, 39.967,
173.028

 14, 39.967,
173.028

 4, 39.967, 173.028

 0, 39.967, 173.028

■ 64, 39.967,
173.028

■ 64, 39.967,
173.028

■ 64, 43.444,
171.454

■ 65, 35.753,
174.443

■ 63, 46.187,
169.707

■ 65, 30.851,
175.724

■ 63, 48.344,
167.824

■ 66, 25.345,
176.895

■ 63, 48.509,
167.680

■ 67, 19.343,
177.978

■ 68, 12.956,
178.991

■ 70, 6.295, 179.970

■ 71, 0.544, 359.965

■ 72, 7.476, 1.579

Harmonies

Complementary

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



64, 39.967, 173.028



41, 51.803, 12.666

Rectangle

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



64, 39.967, 173.028



64, 39.967, 223.028



64, 39.967, 353.028



64, 39.967, 43.028

Sweetspot

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



64, 39.967, 173.027



86, 17.414, 178.778



63, 70.686, 133.634



45, 11.717, 178.511



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, 39.967, 173.027



80, 54.547, 170.564



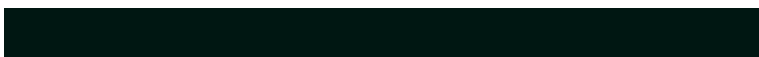
56, 28.848, 234.598



36, 3.869, 179.961



55, 43.577, 167.925



6, 8.616, 175.050

Inverse Universe

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



41, 51.803, 12.666



49, 73.725, 18.698



46, 48.661, 44.856



34, 3.998, 1.526



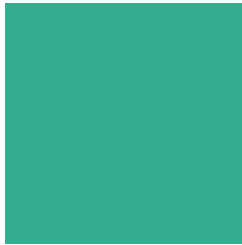
31, 60.916, 25.828



2, 8.124, 3.971

Previews

White Background



This preview shows how the CIE LCh color 64, 39.967, 173.028 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, 39.967, 173.028 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, 39.967, 173.028

Background



This preview shows how black text looks on a background with the CIELCh color 64, 39.967, 173.028.

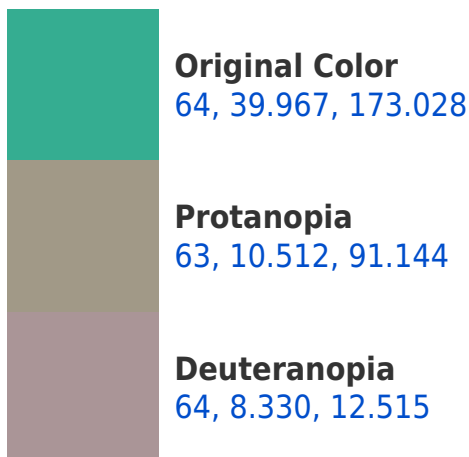



This preview shows how white text looks on a background with the CIELCh color 64, 39.967, 173.028.

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, 28.859, 213.091

Trichromacy



Original Color
64, 39.967, 173.028



Protanomaly
63, 18.714, 158.923



Deuteranomaly
63, 12.367, 174.226



Tritanomaly
64, 31.174, 195.797

Monochromacy



Original Color
64, 39.967, 173.028



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 16.922, 178.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 39.967, 173.028 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(53, 173, 145)` looks like.

```
.text, #text, p{  
    color:rgb(53, 173, 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(53, 173, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 173, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 39.967, 173.028 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(53, 173, 145) }
```

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

```
.border{ border-color:rgb(53, 173, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 173, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 173, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 173, 145);  
box-shadow:4px 4px 4px 4px rgb(53, 173,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 39.967, 173.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 173, 145) }
```

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

```
.background{ background-color: rgb(53, 173,  
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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