

Converting Colors

CIELCh(64, 40.242, 170.735)

Have a look what the booklet for
CIELCh(64, 40.242, 170.735)
contains.

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Color

CIELCh(64, 40.328, 170.645)

Conversions

Conversions Part 1

Format	Color
Hex	39AD8E
RGB	57, 173, 142
RGB Percent	22%, 68%, 56%
CMY	0.7755, 0.3208, 0.4424
CMYK	0.67, 0.00, 0.18, 0.32
HSL	164°, 50%, 45%
HSV	164°, 67%, 68%
XYZ	21.5815, 32.8017, 30.8614
YIQ	134.7820, -59.1850, -34.2330

Conversions

Conversions Part 2

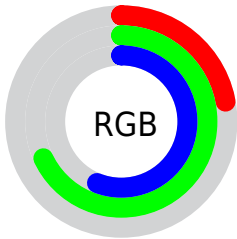
Format	Color
RYB	57, 124, 173
Decimal	3779982
CIELab	64.00, -39.79, 6.56
CIElCh	64, 40.328, 170.645
Yxy	32.8017, 0.2532, 0.3848
Android (android.graphics.Color)	4281970062 (0xFF39AD8E)
YUV	134.7820, 3.5585, -68.2148
Hunter-Lab	57.2727, -32.9650, 8.1426

Details

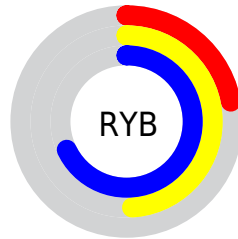
The CIELCh color **64, 40.328, 170.645** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **42, 50.187, 9.261**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 40.106, 170.916**, and **45, 36.751, 168.411** is the 20% darker color. If you saturate the color by 10%, you get **64, 44.231, 169.026**, and if you desaturate by 10%, it is **65, 35.707, 172.097**.

Distribution



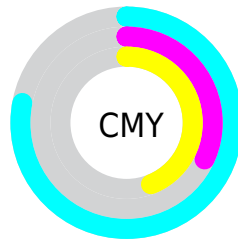
- Red (22%)
- Green (68%)
- Blue (56%)



- Red (22%)
- Yellow (49%)
- Blue (68%)



- Cyan (67%)
- Magenta (0%)
- Yellow (18%)
- Black (32%)



- Cyan (78%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 40.328, 170.645 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, 40.328, 170.645 by changing the saturation by 10% instead.

 64, 40.328,
170.645


 64, 40.328,
170.645

 100, 40.328,
170.645


 54, 40.328,
170.645


 84, 40.328,
170.645

 44, 40.328,
170.645

 94, 40.328,
170.645

 34, 40.328,
170.645

 24, 40.328,
170.645

 14, 40.328,
170.645

 4, 40.328, 170.645

 0, 40.328, 170.645

■ 64, 40.328,
170.645

■ 64, 40.328,
170.645

■ 64, 44.231,
169.026

■ 65, 35.707,
172.097

■ 63, 47.401,
167.225

■ 65, 30.431,
173.408

■ 63, 49.915,
165.249

■ 66, 24.594,
174.601

■ 63, 50.638,
164.654

■ 67, 18.307,
175.698

■ 68, 11.686,
176.723

■ 70, 4.836, 177.721

■ 71, 2.147, 358.315

■ 73, 9.183, 359.315

Harmonies

Complementary

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



64, 40.328, 170.645



42, 50.187, 9.261

Rectangle

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



64, 40.328, 170.645



64, 40.328, 220.645



64, 40.328, 350.645



64, 40.328, 40.645

Sweetspot

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



64, 40.328, 170.644



86, 16.950, 176.381



64, 68.164, 132.895



45, 11.503, 176.104



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, 40.328, 170.644



80, 55.485, 168.249



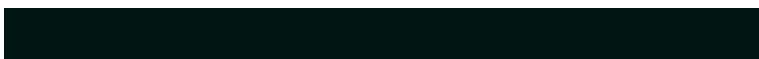
57, 28.161, 228.399



36, 3.939, 177.480



55, 45.478, 164.912



6, 8.817, 172.391

Inverse Universe

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



42, 50.187, 9.261



50, 71.161, 14.527



46, 47.532, 42.225



34, 4.057, 359.064



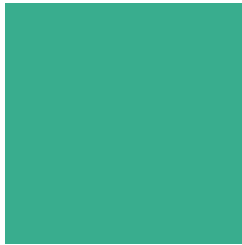
31, 59.782, 22.978



2, 8.217, 1.873

Previews

White Background



This preview shows how the CIE LCh color 64, 40.328, 170.645 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, 40.328, 170.645 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, 40.328, 170.645

Background



This preview shows how black text looks on a background with the CIELCh color 64, 40.328, 170.645.

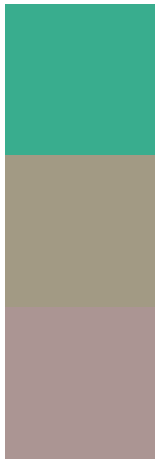


This preview shows how white text looks on a background with the CIELCh color 64, 40.328, 170.645.

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, 40.328, 170.645

Protanopia
64, 12.637, 93.886

Deuteranopia
64, 8.812, 27.396



Tritanopia
64, 28.108, 212.367

Trichromacy



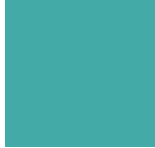
Original Color
64, 40.328, 170.645



Protanomaly
63, 20.005, 153.534



Deuteranomaly
63, 12.954, 164.101



Tritanomaly
64, 30.729, 193.702

Monochromacy



Original Color
64, 40.328, 170.645



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 16.849, 176.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 40.328, 170.645 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(57, 173, 142)` looks like.

```
.text, #text, p{  
    color:rgb(57, 173, 142)  
}
```

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(57, 173, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 173, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 40.328, 170.645 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(57, 173, 142) }
```

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

```
.border{ border-color:rgb(57, 173, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 173, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 173, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 173, 142); box-shadow:4px 4px 4px 4px rgb(57, 173, 142) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 40.328, 170.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 173, 142) }
```

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

```
.background{ background-color: rgb(57, 173,  
142) }
```

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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