

Converting Colors

CIELCh(64, 37.898, 171.469)

Have a look what the booklet for
CIELCh(64, 37.898, 171.469)
contains.

CIELCh(64, 37.634, 171.695)	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, 37.634, 171.695)

Conversions

Conversions Part 1

Format	Color
Hex	42AC90
RGB	66, 172, 144
RGB Percent	26%, 67%, 56%
CMY	0.7399, 0.3244, 0.4342
CMYK	0.62, 0.00, 0.16, 0.32
HSL	164°, 44%, 47%
HSV	164°, 62%, 68%
XYZ	22.1278, 32.8017, 31.6570
YIQ	137.1140, -54.1880, -31.1800

Conversions

Conversions Part 2

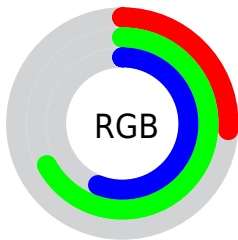
Format	Color
RYB	66, 127, 172
Decimal	4369552
CIELab	64.00, -37.24, 5.44
CIELCh	64, 37.634, 171.695
Yxy	32.8017, 0.2556, 0.3788
Android (android.graphics.Color)	4282559632 (0xFF42AC90)
YUV	137.1140, 3.3948, -62.3670
Hunter-Lab	57.2727, -31.2624, 7.3189

Details

The CIELCh color **64, 37.634, 171.695** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **44, 46.268, 7.924**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 37.652, 171.928**, and **44, 35.491, 170.623** is the 20% darker color. If you saturate the color by 10%, you get **63, 41.893, 170.176**, and if you desaturate by 10%, it is **65, 32.689, 173.061**.

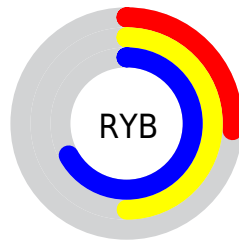
Distribution



Red (26%)

Green (67%)

Blue (56%)



Red (26%)

Yellow (50%)

Blue (67%)

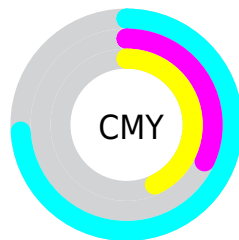


Cyan (62%)

Magenta (0%)

Yellow (16%)

Black (32%)



Cyan (74%)


Magenta (32%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 37.634, 171.695 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, 37.634, 171.695 by changing the saturation by 10% instead.

 64, 37.634,
171.695


 64, 37.634,
171.695


 100, 37.634,
171.695

 54, 37.634,
171.695

 84, 37.634,
171.695

 44, 37.634,
171.695

 94, 37.634,
171.695

 34, 37.634,
171.695

 24, 37.634,
171.695

 14, 37.634,
171.695

 4, 37.634, 171.695

 0, 37.634, 171.695

■ 64, 37.634,
171.695

■ 64, 37.634,
171.695

■ 63, 41.893,
170.176

■ 65, 32.689,
173.061

■ 63, 45.423,
168.484

■ 65, 27.138,
174.300

■ 63, 48.237,
166.606

■ 66, 21.086,
175.435

■ 63, 50.234,
164.928

■ 68, 14.648,
176.487

■ 69, 7.933, 177.484

■ 70, 1.043, 178.762

■ 72, 5.937, 359.131

■ 73, 12.937,
359.992

Harmonies

Complementary

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



64, 37.634, 171.695



44, 46.268, 7.924

Rectangle

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



64, 37.634, 171.695



64, 37.634, 221.695



64, 37.634, 351.695



64, 37.634, 41.695

Sweetspot

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



64, 37.634, 171.694



86, 15.269, 176.809



64, 63.503, 133.554



45, 10.555, 176.524



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, 37.634, 171.694



81, 52.777, 169.553



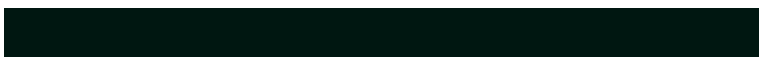
57, 26.614, 229.944



36, 3.932, 177.702



55, 45.302, 165.176



6, 8.798, 172.624

Inverse Universe

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



44, 46.268, 7.924



52, 67.178, 12.340



48, 42.300, 43.199



34, 4.051, 359.284



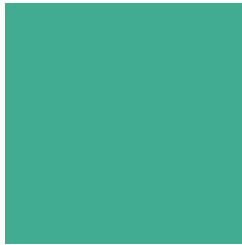
31, 59.878, 23.243



2, 8.208, 2.062

Previews

White Background



This preview shows how the CIELCh color 64, 37.634, 171.695 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, 37.634, 171.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

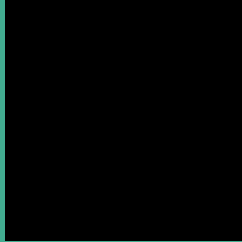
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 37.634, 171.695

Background



This preview shows how black text looks on a background with the CIELCh color 64, 37.634, 171.695.

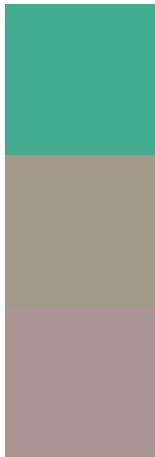


This preview shows how white text looks on a background with the CIELCh color 64, 37.634, 171.695.

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, 37.634, 171.695

Protanopia

64, 11.457, 94.620

Deuteranopia

64, 8.697, 20.190



Tritanopia
64, 26.769, 214.528

Trichromacy



Original Color
64, 37.634, 171.695

Protanomaly
63, 18.394, 153.666

Deuteranomaly
63, 10.750, 167.077

Tritanomaly
64, 28.850, 195.889

Monochromacy



Original Color
64, 37.634, 171.695

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 15.632, 176.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 37.634, 171.695 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(66, 172, 144)` looks like.

```
.text, #text, p{  
    color:rgb(66, 172, 144)  
}
```

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(66, 172, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 172, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 37.634, 171.695 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(66, 172, 144) }
```

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

```
.border{ border-color:rgb(66, 172, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 172, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 172, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 172, 144);  
box-shadow:4px 4px 4px 4px rgb(66, 172,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 37.634, 171.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 172, 144) }
```

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

```
.background{ background-color: rgb(66, 172,  
144) }
```

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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