

Converting Colors

CIELCh(65, 32.380, 173.369)

Have a look what the booklet for
CIELCh(65, 32.380, 173.369)
contains.

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Color

CIELCh(65, 32.380, 173.369)

Conversions

Conversions Part 1

Format	Color
Hex	55AD96
RGB	85, 173, 150
RGB Percent	33%, 68%, 59%
CMY	0.6664, 0.3213, 0.4115
CMYK	0.51, 0.00, 0.13, 0.32
HSL	164°, 35%, 51%
HSV	164°, 51%, 68%
XYZ	24.2160, 34.0472, 34.1730
YIQ	144.0660, -45.0650, -25.8090

Conversions

Conversions Part 2

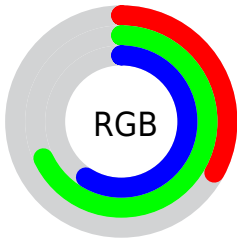
Format	Color
RYB	85, 136, 173
Decimal	5614998
CIELab	65.00, -32.16, 3.74
CIElCh	65, 32.380, 173.369
Yxy	34.0472, 0.2620, 0.3683
Android (android.graphics.Color)	4283805078 (0xFF55AD96)
YUV	144.0660, 2.9255, -51.8009
Hunter-Lab	58.3500, -28.0327, 6.1214

Details

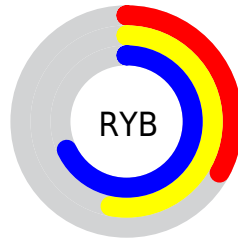
The CIELCh color **65, 32.380, 173.369** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 38.568, 5.590**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 32.584, 173.313**, and **45, 32.427, 173.111** is the 20% darker color. If you saturate the color by 10%, you get **64, 37.365, 172.014**, and if you desaturate by 10%, it is **66, 26.793, 174.596**.

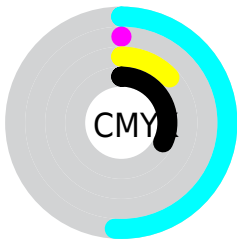
Distribution



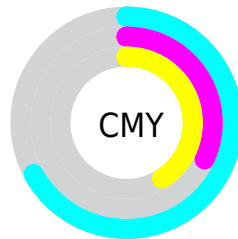
- Red (33%)
- Green (68%)
- Blue (59%)



- Red (33%)
- Yellow (53%)
- Blue (68%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)





- Cyan (67%)
- Magenta (32%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 32.380, 173.369 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 65, 32.380, 173.369 by changing the saturation by 10% instead.


 65, 32.380,
173.369


 65, 32.380,
173.369


 100, 32.380,
173.369


 55, 32.380,
173.369


 85, 32.380,
173.369

 45, 32.380,
173.369

 95, 32.380,
173.369

 35, 32.380,
173.369

 25, 32.380,
173.369

 15, 32.380,
173.369

 5, 32.380, 173.369

 0, 32.380, 173.369

65, 32.380,
173.369

65, 32.380,
173.369

64, 37.365,
172.014

66, 26.793,
174.596

64, 41.663,
170.512

67, 20.708,
175.723

63, 45.229,
168.838

68, 14.240,
176.769

63, 48.074,
166.979

69, 7.500, 177.763

63, 50.218,
165.177

71, 0.587, 179.364

72, 6.413, 359.404

74, 13.429, 0.259

76, 20.409, 1.054

77, 27.310, 1.810

Harmonies

Complementary

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



65, 32.380, 173.369



48, 38.568, 5.590

Rectangle

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



65, 32.380, 173.369



65, 32.380, 223.369



65, 32.380, 353.369



65, 32.380, 43.369

Sweetspot

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



65, 32.381, 173.368



87, 12.750, 177.327



65, 53.679, 134.120



46, 8.666, 177.125



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65, 32.381, 173.368



81, 46.046, 171.840



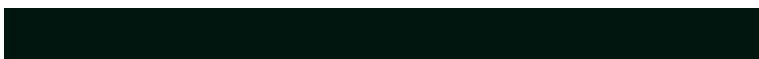
60, 23.349, 227.941



36, 3.926, 177.916



55, 45.133, 165.431



6, 8.780, 172.850

Inverse Universe

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



48, 38.568, 5.590



56, 56.850, 8.312



52, 33.730, 42.809



34, 4.046, 359.497



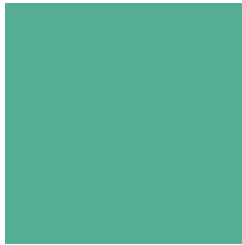
31, 59.972, 23.497



2, 8.199, 2.244

Previews

White Background



This preview shows how the CIE LCh color 65, 32.380, 173.369 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 65, 32.380, 173.369 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 65, 32.380, 173.369

Background



This preview shows how black text looks on a background with the CIELCh color 65, 32.380, 173.369.

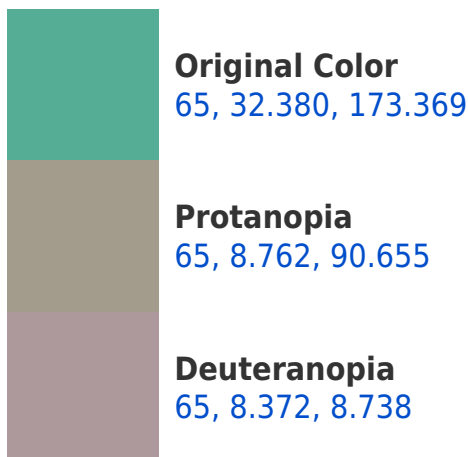


This preview shows how white text looks on a background with the CIELCh color 65, 32.380, 173.369.

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
65, 23.927, 215.367

Trichromacy



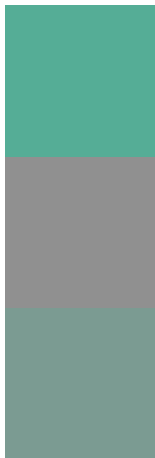
Original Color
65, 32.380, 173.369

Protanomaly
64, 14.476, 154.448

Deuteranomaly
64, 8.217, 170.379

Tritanomaly
65, 25.354, 197.308

Monochromacy



Original Color
65, 32.380, 173.369

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 13.056, 175.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 32.380, 173.369 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(85, 173, 150)` looks like.

```
.text, #text, p{  
    color:rgb(85, 173, 150)  
}
```

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(85, 173, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 173, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 32.380, 173.369 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(85, 173, 150) }
```

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

```
.border{ border-color:rgb(85, 173, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 173, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 173, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 173, 150);  
box-shadow:4px 4px 4px 4px rgb(85, 173,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 32.380, 173.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 173, 150) }
```

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

```
.background{ background-color: rgb(85, 173,  
150) }
```

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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