

Converting Colors

CIELCh(55, 32.217, 205.910)

Have a look what the booklet for
CIELCh(55, 32.217, 205.910)
contains.

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Color

CIELCh(55, 32.058, 205.997)

Conversions

Conversions Part 1

Format	Color
Hex	00929B
RGB	0, 146, 155
RGB Percent	0%, 57%, 61%
CMY	0.9997, 0.4274, 0.3921
CMYK	1.00, 0.06, 0.00, 0.39
HSL	183°, 100%, 30%
HSV	183°, 100%, 61%
XYZ	16.1996, 22.9298, 34.5891
YIQ	103.3720, -89.9050, -28.1530

Conversions

Conversions Part 2

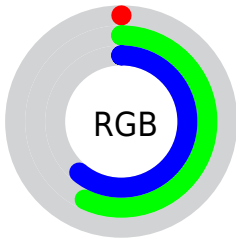
Format	Color
RYB	0, 75, 155
Decimal	37531
CIELab	55.00, -28.81, -14.05
CIELCh	55, 32.058, 205.997
Yxy	22.9298, 0.2197, 0.3110
Android (android.graphics.Color)	4278227611 (0xFF00929B)
YUV	103.3720, 25.4526, -90.6572
Hunter-Lab	47.8851, -23.4123, -9.3077

Details

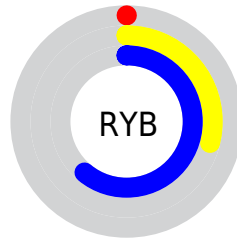
The CIELCh color **55, 32.058, 205.997** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 70.859, 40.414**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 31.925, 206.015**, and **36, 23.443, 210.648** is the 20% darker color. If you saturate the color by 10%, you get **55, 32.060, 206.000**, and if you desaturate by 10%, it is **55, 31.568, 205.206**.

Distribution



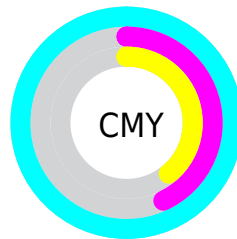
- Red (0%)
- Green (57%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (43%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 32.058, 205.997 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 55, 32.058, 205.997 by changing the saturation by 10% instead.


 55, 32.058,
205.997


 55, 32.058,
205.997


 100, 32.058,
205.997


 45, 32.058,
205.997


 75, 32.058,
205.997

 35, 32.058,
205.997

 85, 32.058,
205.997

 25, 32.058,
205.997

 95, 32.058,
205.997

 15, 32.058,
205.997

 5, 32.058, 205.997

 0, 32.058, 205.997

■ 55, 32.058,
205.997

■ 55, 32.058,
205.997

■ 55, 32.060,
206.000

■ 55, 31.568,
205.206

■ 56, 30.578,
204.563

■ 56, 28.896,
204.104

■ 57, 26.501,
203.814

■ 58, 23.412,
203.674

■ 59, 19.684,
203.666

■ 60, 15.390,
203.773

■ 61, 10.616,

203.979

■ 63, 5.449, 204.290

Harmonies

Complementary

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



55, 32.058, 205.997



32, 70.859, 40.414

Rectangle

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



55, 32.058, 205.997



55, 32.058, 255.997



55, 32.058, 25.997



55, 32.058, 75.997

Sweetspot

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



55, 32.057, 205.996



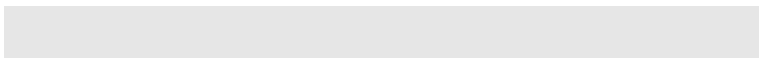
76, 19.038, 203.763



56, 81.583, 136.517



40, 12.887, 203.711



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



55, 32.057, 205.996



70, 38.881, 206.204



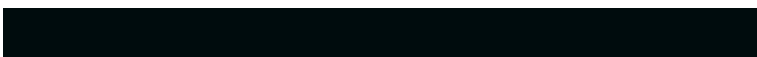
31, 54.131, 287.959



32, 3.068, 204.319



50, 29.816, 205.910



3, 3.374, 205.212

Inverse Universe

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



36, 76.177, 330.650



47, 92.432, 330.701



44, 57.623, 65.408



30, 5.710, 326.520



32, 70.842, 330.629



1, 6.108, 326.237

Previews

White Background



This preview shows how the CIE LCh color 55, 32.058, 205.997 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 32.058, 205.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

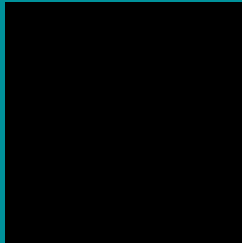
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 32.058, 205.997

Background



This preview shows how black text looks on a background with the CIELCh color 55, 32.058, 205.997.

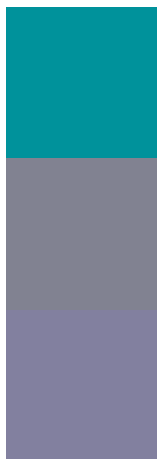


This preview shows how white text looks on a background with the CIELCh color 55, 32.058, 205.997.

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
55, 32.058, 205.997

Protanopia
55, 8.634, 288.725

Deuteranopia
55, 17.887, 294.615



Tritanopia
55, 31.335, 208.476

Trichromacy



Original Color
55, 32.058, 205.997



Protanomaly
54, 19.028, 221.294



Deuteranomaly
54, 20.754, 238.296



Tritanomaly
55, 31.612, 207.255

Monochromacy



Original Color
55, 32.058, 205.997



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 18.236, 203.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 32.058, 205.997 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(0, 146, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 155)  
}
```

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(0, 146, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 32.058, 205.997 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(0, 146, 155) }
```

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

```
.border{ border-color:rgb(0, 146, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 32.058, 205.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 155) }
```

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

```
.background{ background-color: rgb(0, 146,  
155) }
```

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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