

Converting Colors

CIELCh(55, 29.084, 173.301)

Have a look what the booklet for
CIELCh(55, 29.084, 173.301)
contains.

CIELCh(55, 29.084, 173.301)	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(55, 29.084, 173.301)

Conversions

Conversions Part 1

Format	Color
Hex	44917D
RGB	68, 145, 125
RGB Percent	27%, 57%, 49%
CMY	0.7337, 0.4317, 0.5101
CMYK	0.53, 0.00, 0.14, 0.43
HSL	164°, 36%, 42%
HSV	164°, 53%, 57%
XYZ	16.1871, 22.9298, 22.9478
YIQ	119.6970, -39.4720, -22.5440

Conversions

Conversions Part 2

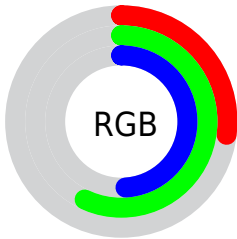
Format	Color
RYB	68, 112, 145
Decimal	4493693
CIELab	55.00, -28.89, 3.39
CIELCh	55, 29.084, 173.301
Yxy	22.9298, 0.2608, 0.3695
Android (android.graphics.Color)	4282683773 (0xFF44917D)
YUV	119.6970, 2.6144, -45.3383
Hunter-Lab	47.8851, -23.4588, 5.1062

Details

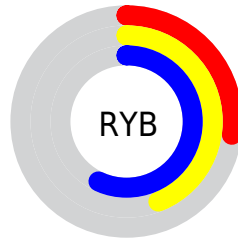
The CIELCh color **55, 29.084, 173.301** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 34.863, 6.049**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 28.804, 173.968**, and **35, 29.185, 172.997** is the 20% darker color. If you saturate the color by 10%, you get **54, 33.304, 171.949**, and if you desaturate by 10%, it is **56, 24.338, 174.526**.

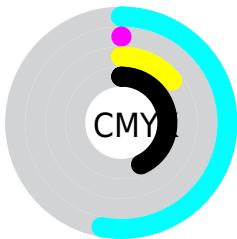
Distribution



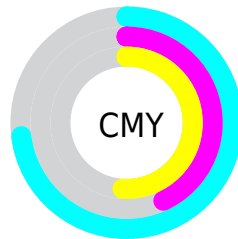
- Red (27%)
- Green (57%)
- Blue (49%)



- Red (27%)
- Yellow (44%)
- Blue (57%)



- Cyan (53%)
- Magenta (0%)
- Yellow (14%)
- Black (43%)





- Cyan (73%)
- Magenta (43%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 29.084, 173.301 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, 29.084, 173.301 by changing the saturation by 10% instead.


 55, 29.084,
173.301


 55, 29.084,
173.301


 100, 29.084,
173.301


 45, 29.084,
173.301


 75, 29.084,
173.301

 35, 29.084,
173.301

 85, 29.084,
173.301

 25, 29.084,
173.301

 95, 29.084,
173.301

 15, 29.084,
173.301

 5, 29.084, 173.301

 0, 29.084, 173.301

■ 55, 29.084,
173.301

■ 55, 29.084,
173.301

■ 54, 33.304,
171.949

■ 56, 24.338,
174.526

■ 54, 36.929,
170.450

■ 57, 19.150,
175.651

■ 54, 39.929,
168.784

■ 57, 13.617,
176.694

■ 53, 42.317,
166.937

■ 59, 7.833, 177.680

■ 53, 43.774,
165.653

■ 60, 1.883, 178.742

■ 61, 4.156, 359.302

■ 62, 10.223, 0.174

■ 64, 16.271, 0.969

■ 66, 22.260, 1.724

Harmonies

Complementary

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



55, 29.084, 173.301



39, 34.863, 6.049

Rectangle

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



55, 29.084, 173.301



55, 29.084, 223.301



55, 29.084, 353.301



55, 29.084, 43.301

Sweetspot

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



55, 29.084, 173.300



74, 11.790, 177.368



55, 48.428, 134.034



38, 7.916, 177.191



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 29.084, 173.300



69, 41.494, 171.632



50, 20.952, 228.197



30, 3.339, 178.067



50, 41.522, 165.796



2, 2.277, 178.823

Inverse Universe

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



39, 34.863, 6.049



47, 51.657, 9.106



43, 30.675, 42.852



28, 3.439, 359.591



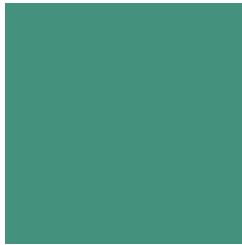
28, 55.309, 23.035



0, 2.277, 358.809

Previews

White Background



This preview shows how the CIELCh color 55, 29.084, 173.301 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, 29.084, 173.301 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, 29.084, 173.301

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.084, 173.301.

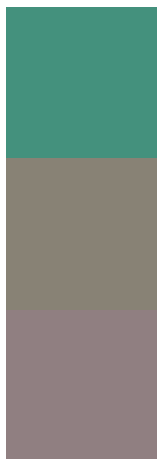


This preview shows how white text looks on a background with the CIELCh color 55, 29.084, 173.301.

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, 29.084, 173.301

Protanopia
55, 7.842, 90.810

Deuteranopia
55, 6.962, 10.667



Tritanopia
55, 21.264, 215.053

Trichromacy



Original Color
55, 29.084, 173.301

Protanomaly
54, 12.894, 156.155

Deuteranomaly
54, 7.852, 172.532

Tritanomaly
55, 22.475, 197.284

Monochromacy



Original Color
55, 29.084, 173.301

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 11.576, 177.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.084, 173.301 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(68, 145, 125)` looks like.

```
.text, #text, p{  
    color:rgb(68, 145, 125)  
}
```

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(68, 145, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 145, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.084, 173.301 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(68, 145, 125) }
```

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

```
.border{ border-color:rgb(68, 145, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 145, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 145, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 145, 125);  
box-shadow:4px 4px 4px 4px rgb(68, 145,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.084, 173.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 145, 125) }
```

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

```
.background{ background-color: rgb(68, 145,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor