

Converting Colors

CIELCh(55, 30.259, 205.575)

Have a look what the booklet for
CIELCh(55, 30.259, 205.575)
contains.

CIELCh(55, 30.217, 205.590)	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, 30.217, 205.590)

Conversions

Conversions Part 1

Format	Color
Hex	1E9199
RGB	30, 145, 153
RGB Percent	12%, 57%, 60%
CMY	0.8839, 0.4301, 0.3987
CMYK	0.81, 0.05, 0.00, 0.40
HSL	184°, 68%, 36%
HSV	184°, 81%, 60%
XYZ	16.4748, 22.9298, 33.8341
YIQ	111.5270, -71.1080, -21.8920

Conversions

Conversions Part 2

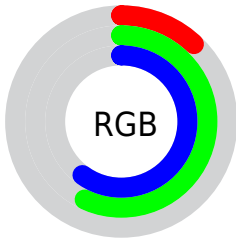
Format	Color
R_{YB}	30, 89, 153
Decimal	2003353
CIE _{Lab}	55.00, -27.25, -13.05
CIE _{LCh}	55, 30.217, 205.590
Yxy	22.9298, 0.2249, 0.3131
Android (android.graphics.Color)	4280193433 (0xFF1E9199)
YUV	111.5270, 20.4462, -71.4992
Hunter-Lab	47.8851, -22.3863, -8.3729




Details

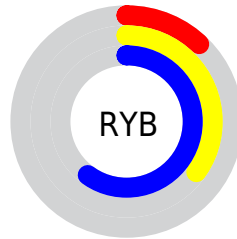
The CIELCh color **55, 30.217, 205.590** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 57.937, 35.766**, and the grayscale version is **47, 0.006, 296.813**.




A 20% lighter version of the original color is **75, 30.137, 205.601**, and **36, 23.301, 209.141** is the 20% darker color. If you saturate the color by 10%, you get **55, 31.140, 206.341**, and if you desaturate by 10%, it is **56, 28.613, 205.038**.

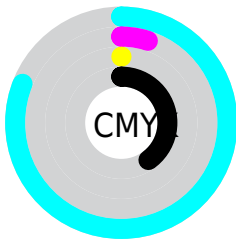
Distribution







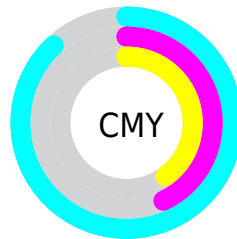
-  Red (12%)
-  Green (57%)
-  Blue (60%)






-  Red (12%)
-  Yellow (35%)
-  Blue (60%)



-  Cyan (81%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (40%)





-  Cyan (88%)
-  Magenta (43%)
-  Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 30.217, 205.590 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, 30.217, 205.590 by changing the saturation by 10% instead.


 55, 30.217,
205.590


 55, 30.217,
205.590


 100, 30.217,
205.590


 45, 30.217,
205.590


 75, 30.217,
205.590


 35, 30.217,
205.590


 85, 30.217,
205.590

 25, 30.217,
205.590

 95, 30.217,
205.590

 15, 30.217,
205.590

 5, 30.217, 205.590

 0, 30.217, 205.590

■ 55, 30.217,
205.590

■ 55, 30.217,
205.590

■ 55, 31.140,
206.341

■ 56, 28.613,
205.038

■ 54, 31.576,
207.180

■ 56, 26.305,
204.671

■ 57, 23.311,
204.468

■ 58, 19.682,
204.406

■ 59, 15.490,
204.467

■ 60, 10.819,
204.634

■ 62, 5.754, 204.908

■ 63, 0.379, 206.335

Harmonies

Complementary

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



55, 30.217, 205.590



35, 57.937, 35.766

Rectangle

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



55, 30.217, 205.590



55, 30.217, 255.590



55, 30.217, 25.590



55, 30.217, 75.590

Sweetspot

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



55, 30.216, 205.589



76, 15.321, 204.559



55, 73.595, 138.139



39, 10.376, 204.506



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 30.216, 205.589



69, 38.138, 207.112



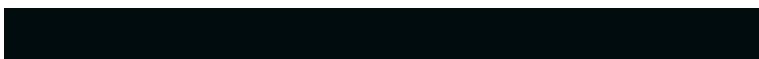
36, 42.958, 280.110



32, 3.049, 204.961



50, 29.603, 207.089



3, 3.352, 205.899

Inverse Universe

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



37, 70.227, 330.299



47, 90.648, 330.905



46, 48.457, 69.590



30, 5.684, 326.711



32, 70.485, 330.919



1, 6.077, 326.446

Previews

White Background



This preview shows how the CIE LCh color 55, 30.217, 205.590 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, 30.217, 205.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

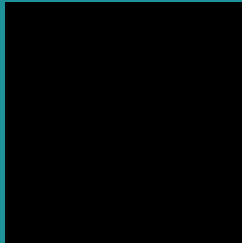
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 30.217, 205.590

Background



This preview shows how black text looks on a background with the CIELCh color 55, 30.217, 205.590.

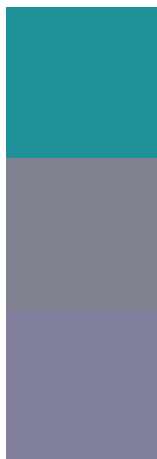


This preview shows how white text looks on a background with the CIELCh color 55, 30.217, 205.590.

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, 30.119, 205.627

Protanopia

55, 7.486, 288.187

Deuteranopia

55, 16.764, 295.898



Tritanopia
55, 29.661, 210.463

Trichromacy



Original Color
55, 30.119, 205.627

Protanomaly
54, 15.872, 221.841

Deuteranomaly
54, 17.997, 243.672

Tritanomaly
55, 29.784, 209.227

Monochromacy



Original Color
55, 30.119, 205.627

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 15.048, 204.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 30.217, 205.590 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(30, 145, 153)` looks like.

```
.text, #text, p{  
    color:rgb(30, 145, 153)  
}
```

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(30, 145, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 145, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 30.217, 205.590 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(30, 145, 153) }
```

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

```
.border{ border-color:rgb(30, 145, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 145, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 145, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 145, 153);  
box-shadow:4px 4px 4px 4px rgb(30, 145,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 30.217, 205.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 145, 153) }
```

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

```
.background{ background-color: rgb(30, 145,  
153) }
```

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