

Converting Colors

CIELCh(55, 30.063, 217.354)

Have a look what the booklet for
CIELCh(55, 30.063, 217.354)
contains.

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Color

CIELCh(55, 29.977, 217.422)

Conversions

Conversions Part 1

Format	Color
Hex	1E90A2
RGB	30, 144, 162
RGB Percent	12%, 56%, 64%
CMY	0.8839, 0.4341, 0.3635
CMYK	0.82, 0.11, 0.00, 0.36
HSL	188°, 69%, 38%
HSV	188°, 82%, 64%
XYZ	17.0933, 22.9298, 37.8535
YIQ	111.9660, -73.7220, -18.5700

Conversions

Conversions Part 2

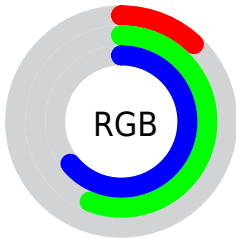
Format	Color
R_{YB}	30, 91, 162
Decimal	2003106
CIE _{Lab}	55.00, -23.81, -18.22
CIE _{LCh}	55, 29.977, 217.422
Y _{xy}	22.9298, 0.2195, 0.2944
Android (android.graphics.Color)	4280193186 (0xFF1E90A2)
YUV	111.9660, 24.6668, -71.8842
Hunter-Lab	47.8851, -20.0808, -13.3496

Details

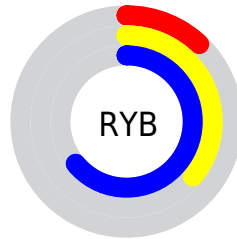
The CIELCh color **55, 29.977, 217.422** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 59.546, 39.106**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 29.982, 217.702**, and **36, 23.471, 224.116** is the 20% darker color. If you saturate the color by 10%, you get **54, 30.833, 219.421**, and if you desaturate by 10%, it is **56, 28.461, 215.842**.

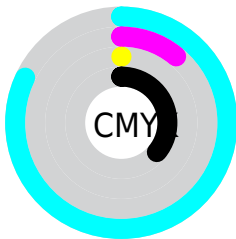
Distribution



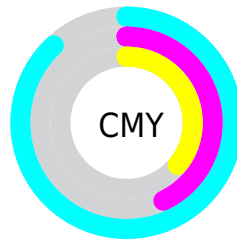
- Red (12%)
- Green (56%)
- Blue (64%)



- Red (12%)
- Yellow (36%)
- Blue (64%)



- Cyan (82%)
- Magenta (11%)
- Yellow (0%)
- Black (36%)





- Cyan (88%)
- Magenta (43%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 29.977, 217.422 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, 29.977, 217.422 by changing the saturation by 10% instead.


 55, 29.977,
217.422


 55, 29.977,
217.422


 100, 29.977,
217.422


 45, 29.977,
217.422


 75, 29.977,
217.422

 35, 29.977,
217.422

 85, 29.977,
217.422

 25, 29.977,
217.422

 95, 29.977,
217.422

 15, 29.977,
217.422

 5, 29.977, 217.422

 0, 29.977, 217.422

■ 55, 29.977,
217.422

■ 55, 29.977,
217.422

■ 54, 30.833,
219.421

■ 56, 28.461,
215.842

■ 53, 31.220,
221.310

■ 57, 26.250,
214.633

■ 58, 23.358,
213.739

■ 60, 19.834,
213.106

■ 61, 15.748,
212.690

■ 63, 11.184,
212.452

■ 65, 6.226, 212.373

■ 66, 0.954, 212.790

Harmonies

Complementary

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



55, 29.977, 217.422



38, 59.546, 39.106

Rectangle

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



55, 29.977, 217.422



55, 29.977, 267.422



55, 29.977, 37.422



55, 29.977, 87.422

Sweetspot

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



55, 29.976, 217.421



79, 15.751, 212.521



58, 74.225, 139.801



42, 10.702, 212.603



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 29.976, 217.421



69, 37.923, 221.350



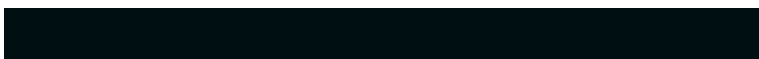
35, 52.490, 287.540



34, 3.029, 212.383



48, 28.807, 221.047



4, 4.706, 216.379

Inverse Universe

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



39, 70.273, 333.269



49, 90.019, 334.419



52, 51.934, 76.809



32, 5.708, 328.891



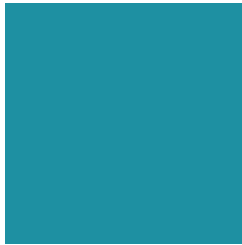
33, 68.496, 334.354



1, 8.604, 329.591

Previews

White Background



This preview shows how the CIE LCh color 55, 29.977, 217.422 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, 29.977, 217.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

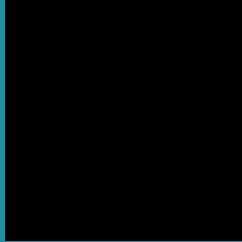
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 29.977, 217.422

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.977, 217.422.



This preview shows how white text looks on a background with the CIELCh color 55, 29.977, 217.422.

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

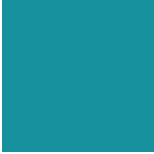
55, 29.889, 217.492

Protanopia

55, 12.681, 286.725

Deuteranopia

55, 21.885, 290.054



Tritanopia
55, 30.559, 209.984

Trichromacy



Original Color
55, 29.889, 217.492



Protanomaly
54, 18.287, 240.150



Deuteranomaly
54, 22.146, 252.917



Tritanomaly
55, 30.380, 212.385

Monochromacy



Original Color
55, 29.889, 217.492



Achromatopsia
47, 0.006, 296.813



Achromatomaly
49, 15.111, 211.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.977, 217.422 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, 144, 162)` looks like.

```
.text, #text, p{  
    color:rgb(30, 144, 162)  
}
```

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, 144, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 144, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.977, 217.422 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, 144, 162) }
```

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

```
.border{ border-color:rgb(30, 144, 162) }
```

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

Here you see how a box with a 4 pixel rgb(30, 144, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 144, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 144, 162);  
box-shadow:4px 4px 4px 4px rgb(30, 144,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.977, 217.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 144, 162) }
```

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

```
.background{ background-color: rgb(30, 144,  
162) }
```

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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