

Converting Colors

CIELCh(55, 30.486, 228.291)

Have a look what the booklet for
CIELCh(55, 30.486, 228.291)
contains.

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Color

CIELCh(55, 30.406, 228.332)

Conversions

Conversions Part 1

Format	Color
Hex	218FAA
RGB	33, 143, 170
RGB Percent	13%, 56%, 67%
CMY	0.8694, 0.4386, 0.3327
CMYK	0.80, 0.16, 0.00, 0.33
HSL	192°, 67%, 40%
HSV	192°, 80%, 67%
XYZ	17.7544, 22.9298, 41.6024
YIQ	113.1880, -74.2270, -14.9230

Conversions

Conversions Part 2

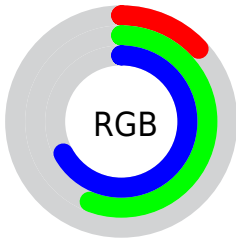
Format	Color
R_{YB}	33, 94, 170
Decimal	2199466
CIE _{Lab}	55.00, -20.21, -22.71
CIE _{LCh}	55, 30.406, 228.332
Yxy	22.9298, 0.2158, 0.2787
Android (android.graphics.Color)	4280389546 (0xFF218FAA)
YUV	113.1880, 28.0083, -70.3249
Hunter-Lab	47.8851, -17.6162, -17.9913

Details

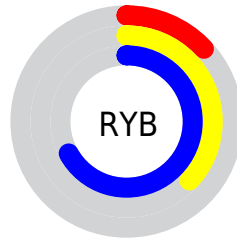
The CIELCh color **55, 30.406, 228.332** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 58.911, 42.139**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 30.349, 227.889**, and **36, 25.030, 238.149** is the 20% darker color. If you saturate the color by 10%, you get **54, 31.606, 231.367**, and if you desaturate by 10%, it is **56, 28.605, 225.885**.

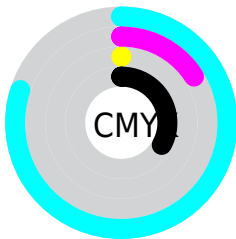
Distribution



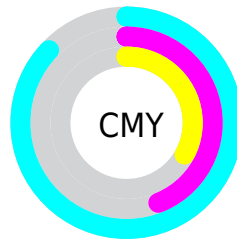
- Red (13%)
- Green (56%)
- Blue (67%)



- Red (13%)
- Yellow (37%)
- Blue (67%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)





- Cyan (87%)
- Magenta (44%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 30.406, 228.332 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, 30.406, 228.332 by changing the saturation by 10% instead.


 55, 30.406,
228.332


 55, 30.406,
228.332


 100, 30.406,
228.332


 45, 30.406,
228.332


 75, 30.406,
228.332

 35, 30.406,
228.332

 85, 30.406,
228.332

 25, 30.406,
228.332

 95, 30.406,
228.332

 15, 30.406,
228.332

 5, 30.406, 228.332

 0, 30.406, 228.332

■ 55, 30.406,
228.332

■ 55, 30.406,
228.332

■ 54, 31.606,
231.367

■ 56, 28.605,
225.885

■ 53, 32.390,
234.718

■ 58, 26.158,
223.957

■ 60, 23.073,
222.468

■ 61, 19.395,
221.342

■ 63, 15.194,
220.510

■ 65, 10.549,
219.917

■ 67, 5.538, 219.536

■ 70, 0.236, 221.218

Harmonies

Complementary

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



55, 30.406, 228.332



41, 58.911, 42.139

Rectangle

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



55, 30.406, 228.332



55, 30.406, 278.332



55, 30.406, 48.332



55, 30.406, 98.332

Sweetspot

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



55, 30.405, 228.332



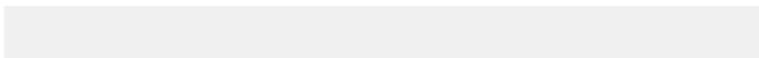
82, 15.182, 220.128



61, 73.897, 141.259



43, 10.391, 220.339



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



55, 30.405, 228.332



68, 39.288, 234.355



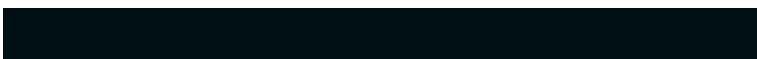
35, 58.058, 290.572



35, 2.986, 219.508



46, 29.191, 234.233



4, 5.435, 226.403

Inverse Universe

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



41, 69.351, 336.044



51, 88.937, 337.810



56, 54.082, 81.352



33, 5.606, 330.971



33, 66.231, 337.787



2, 9.734, 332.639

Previews

White Background



This preview shows how the CIE LCh color 55, 30.406, 228.332 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, 30.406, 228.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

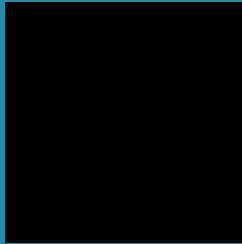
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 30.406, 228.332

Background



This preview shows how black text looks on a background with the CIELCh color 55, 30.406, 228.332.

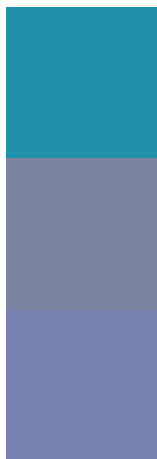


This preview shows how white text looks on a background with the CIELCh color 55, 30.406, 228.332.

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, 30.406, 228.332

Protanopia

55, 17.330, 285.185

Deuteranopia

55, 25.396, 286.345



Tritanopia
55, 31.131, 209.691

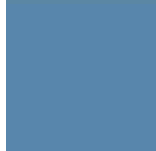
Trichromacy



Original Color
55, 30.406, 228.332



Protanomaly
54, 21.332, 250.550



Deuteranomaly
54, 25.426, 258.802



Tritanomaly
55, 30.590, 216.947

Monochromacy



Original Color
55, 30.406, 228.332



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 14.951, 221.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 30.406, 228.332 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(33, 143, 170)` looks like.

```
.text, #text, p{  
    color:rgb(33, 143, 170)  
}
```

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(33, 143, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 143, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 30.406, 228.332 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(33, 143, 170) }
```

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

```
.border{ border-color:rgb(33, 143, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 143, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 143, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 143, 170);  
box-shadow:4px 4px 4px 4px rgb(33, 143,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 30.406, 228.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 143, 170) }
```

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

```
.background{ background-color: rgb(33, 143,  
170) }
```

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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