

Converting Colors

CIELCh(55, 29.557, 226.372)

Have a look what the booklet for
CIELCh(55, 29.557, 226.372)
contains.

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Color

CIELCh(55, 29.535, 226.731)

Conversions

Conversions Part 1

Format	Color
Hex	278FA8
RGB	39, 143, 168
RGB Percent	15%, 56%, 66%
CMY	0.8466, 0.4389, 0.3409
CMYK	0.77, 0.15, 0.00, 0.34
HSL	192°, 62%, 41%
HSV	192°, 77%, 66%
XYZ	17.7489, 22.9298, 40.5723
YIQ	114.7540, -70.0090, -14.2730

Conversions

Conversions Part 2

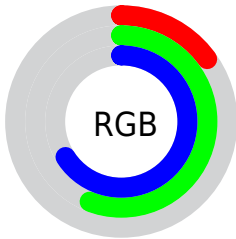
Format	Color
R_{YB}	39, 97, 168
Decimal	2592680
CIE _{Lab}	55.00, -20.24, -21.51
CIE _{LCh}	55, 29.535, 226.731
Yxy	22.9298, 0.2184, 0.2822
Android (android.graphics.Color)	4280782760 (0xFF278FA8)
YUV	114.7540, 26.2503, -66.4363
Hunter-Lab	47.8851, -17.6368, -16.7158

Details

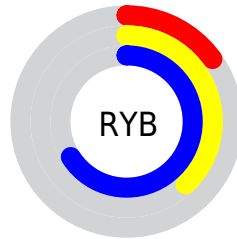
The CIELCh color **55, 29.535, 226.731** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 55.295, 41.549**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 29.467, 226.448**, and **36, 24.542, 235.259** is the 20% darker color. If you saturate the color by 10%, you get **54, 30.921, 229.481**, and if you desaturate by 10%, it is **56, 27.524, 224.536**.

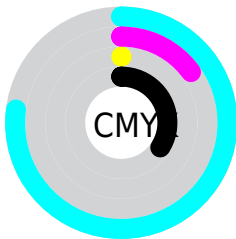
Distribution



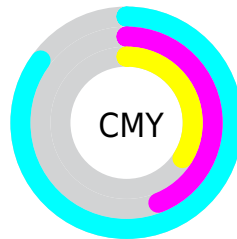
- Red (15%)
- Green (56%)
- Blue (66%)



- Red (15%)
- Yellow (38%)
- Blue (66%)



- Cyan (77%)
- Magenta (15%)
- Yellow (0%)
- Black (34%)





- Cyan (85%)
- Magenta (44%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 29.535, 226.731 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, 29.535, 226.731 by changing the saturation by 10% instead.


 55, 29.535,
226.731


 55, 29.535,
226.731


 100, 29.535,
226.731


 45, 29.535,
226.731


 75, 29.535,
226.731

 35, 29.535,
226.731

 85, 29.535,
226.731

 25, 29.535,
226.731

 95, 29.535,
226.731

 15, 29.535,
226.731

 5, 29.535, 226.731

 0, 29.535, 226.731

■ 55, 29.535,
226.731

■ 55, 29.535,
226.731

■ 54, 30.921,
229.481

■ 56, 27.524,
224.536

■ 53, 31.789,
232.809

■ 58, 24.867,
222.824

■ 52, 32.048,
233.935

■ 60, 21.589,
221.513

■ 61, 17.744,
220.533

■ 63, 13.407,
219.819

■ 65, 8.658, 219.327

■ 67, 3.573, 219.059

■ 70, 1.776, 38.438

Harmonies

Complementary

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



55, 29.535, 226.731



41, 55.295, 41.549

Rectangle

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



55, 29.535, 226.731



55, 29.535, 276.731



55, 29.535, 46.731



55, 29.535, 96.731

Sweetspot

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



55, 29.534, 226.730



82, 14.487, 219.634



61, 70.773, 141.853



42, 9.896, 219.830



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



55, 29.534, 226.730



68, 38.482, 231.752



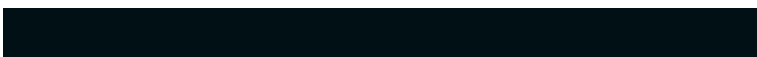
36, 54.568, 289.275



35, 2.992, 219.098



46, 29.152, 233.497



4, 5.442, 225.905

Inverse Universe

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



41, 67.269, 335.564



50, 87.971, 337.080



56, 51.581, 81.993



33, 5.620, 330.850



33, 66.397, 337.585



2, 9.763, 332.484

Previews

White Background



This preview shows how the CIELCh color 55, 29.535, 226.731 looks on a white background.

Color Contrast Check

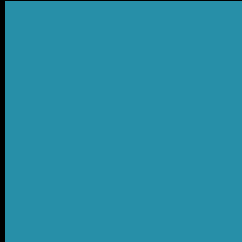
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.535, 226.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

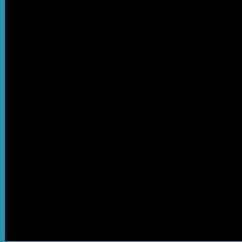
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 29.535, 226.731

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.535, 226.731.



This preview shows how white text looks on a background with the CIELCh color 55, 29.535, 226.731.

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, 29.535, 226.731

Protanopia

55, 16.762, 284.854

Deuteranopia

55, 24.206, 287.404



Tritanopia
55, 30.145, 210.201

Trichromacy



Original Color
55, 29.535, 226.731

Protanomaly
54, 20.206, 249.299

Deuteranomaly
54, 24.002, 259.138

Tritanomaly
55, 29.655, 216.457

Monochromacy



Original Color
55, 29.535, 226.731

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 14.231, 220.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.535, 226.731 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(39, 143, 168)` looks like.

```
.text, #text, p{  
    color:rgb(39, 143, 168)  
}
```

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(39, 143, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 143, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.535, 226.731 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(39, 143, 168) }
```

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

```
.border{ border-color:rgb(39, 143, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 143, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 143, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 143, 168);  
box-shadow:4px 4px 4px 4px rgb(39, 143,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.535, 226.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 143, 168) }
```

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

```
.background{ background-color: rgb(39, 143,  
168) }
```

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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