

Converting Colors

CIELCh(55, 18.582, 279.851)

Have a look what the booklet for
CIELCh(55, 18.582, 279.851)
contains.

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Color

CIELCh(55, 18.670, 280.527)

Conversions

Conversions Part 1

Format	Color
Hex	7883A3
RGB	120, 131, 163
RGB Percent	47%, 51%, 64%
CMY	0.5288, 0.4856, 0.3601
CMYK	0.26, 0.20, 0.00, 0.36
HSL	225°, 19%, 56%
HSV	225°, 26%, 64%
XYZ	22.5310, 22.9298, 37.9661
YIQ	131.3590, -16.8280, 7.6200

Conversions

Conversions Part 2

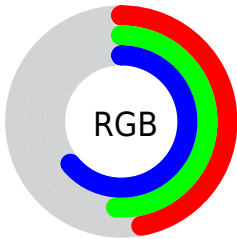
Format	Color
R_{YB}	120, 129, 163
Decimal	7898019
CIE _{Lab}	55.00, 3.41, -18.36
CIE _{LCh}	55, 18.670, 280.527
Y _{xy}	22.9298, 0.2701, 0.2748
Android (android.graphics.Color)	4286088099 (0xFF7883A3)
YUV	131.3590, 15.5990, -9.9618
Hunter-Lab	47.8851, 0.1893, -13.4890

Details

The CIELCh color $55, 18.670, 280.527$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $63, 18.367, 93.691$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 18.638, 280.403$, and $35, 18.433, 279.737$ is the 20% darker color. If you saturate the color by 10%, you get $50, 26.079, 282.352$, and if you desaturate by 10%, it is $60, 11.448, 278.961$.

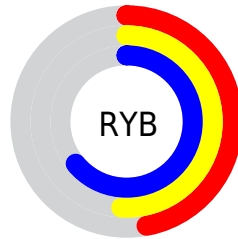
Distribution



Red (47%)

Green (51%)

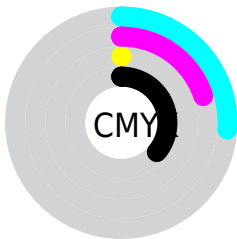
Blue (64%)



Red (47%)

Yellow (51%)

Blue (64%)

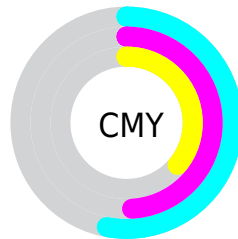


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (36%)



Cyan (53%)


Magenta (49%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 18.670, 280.527 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, 18.670, 280.527 by changing the saturation by 10% instead.


 55, 18.670,
280.527


 55, 18.670,
280.527


 100, 18.670,
280.527


 45, 18.670,
280.527


 75, 18.670,
280.527

 35, 18.670,
280.527

 85, 18.670,
280.527

 25, 18.670,
280.527

 95, 18.670,
280.527

 15, 18.670,
280.527

 5, 18.670, 280.527

 0, 18.670, 280.527

■ 55, 18.670,
280.527

■ 55, 18.670,
280.527

■ 50, 26.079,
282.352

■ 60, 11.448,
278.961

■ 46, 33.699,
284.477

■ 64, 4.401, 277.636

■ 69, 2.481, 96.371

■ 41, 41.552,
286.925

■ 73, 9.207, 95.411

■ 37, 49.658,
289.698

■ 78, 15.780, 94.541

■ 33, 58.001,
292.745

■ 82, 22.206, 93.773

■ 87, 28.490, 93.095

■ 29, 66.468,
295.943

■ 91, 34.635, 92.493

■ 26, 74.765,
299.071

■ 95, 39.591, 98.675

■ 25, 77.675,

Harmonies

Complementary

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



55, 18.670, 280.527



63, 18.367, 93.691

Rectangle

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



55, 18.670, 280.527



55, 18.670, 330.527



55, 18.670, 100.527



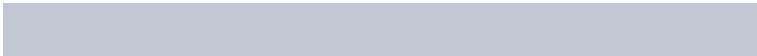
55, 18.670, 150.527

Sweetspot

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



55, 18.669, 280.525



80, 6.857, 277.855



64, 17.069, 175.831



42, 4.920, 278.039



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, 18.669, 280.525



67, 28.233, 281.631



53, 25.280, 301.225



32, 3.929, 277.996



22, 70.683, 299.768



1, 6.219, 278.434

Inverse Universe

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



55, 18.523, 1.883



67, 28.088, 2.747



65, 23.926, 117.600



32, 3.837, 359.896



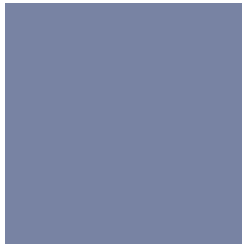
30, 58.587, 23.789



1, 5.789, 0.861

Previews

White Background



This preview shows how the CIELCh color 55, 18.670, 280.527 looks on a white background.

Color Contrast Check

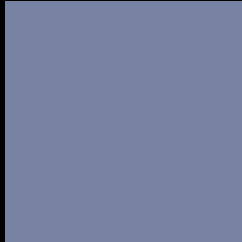
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.670, 280.527 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

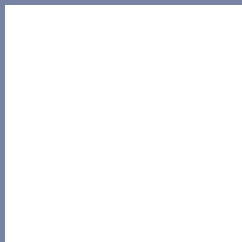
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 18.670, 280.527

Background



This preview shows how black text looks on a background with the CIELCh color 55, 18.670, 280.527.

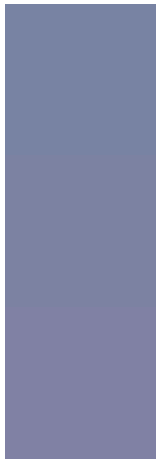


This preview shows how white text looks on a background with the CIELCh color 55, 18.670, 280.527.

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, 18.670, 280.527

Protanopia

55, 18.466, 285.798

Deuteranopia

55, 20.128, 291.563



Tritanopia
55, 9.013, 243.686

Trichromacy



Original Color
55, 18.670, 280.527

Protanomaly
55, 18.501, 284.730

Deuteranomaly
55, 19.577, 287.362

Tritanomaly
55, 12.030, 264.764

Monochromacy



Original Color
55, 18.670, 280.527

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 6.468, 277.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 18.670, 280.527 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(120, 131, 163)` looks like.

```
.text, #text, p{  
    color:rgb(120, 131, 163)  
}
```

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(120, 131, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 131, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 18.670, 280.527 is called "border". The border property can be set on classes, ids or directly on the HTML element.

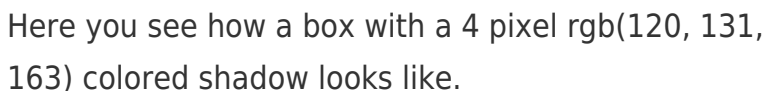
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 131, 163) }
```

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

```
.border{ border-color:rgb(120, 131, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 131, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 131, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 131, 163); box-shadow:4px 4px 4px 4px rgb(120, 131, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 18.670, 280.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 131, 163) }
```

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

```
.background{ background-color: rgb(120,  
131, 163) }
```

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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