

Converting Colors

CIELCh(55, 18.600, 275.408)

Have a look what the booklet for
CIELCh(55, 18.600, 275.408)
contains.

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Color

CIELCh(55, 18.465, 274.885)

Conversions

Conversions Part 1

Format	Color
Hex	7484A3
RGB	116, 132, 163
RGB Percent	45%, 52%, 64%
CMY	0.5444, 0.4816, 0.3600
CMYK	0.29, 0.19, 0.00, 0.36
HSL	220°, 20%, 55%
HSV	220°, 29%, 64%
XYZ	22.1318, 22.9298, 38.0003
YIQ	130.7500, -19.4870, 6.2490

Conversions

Conversions Part 2

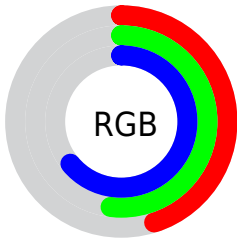
Format	Color
R_{YB}	116, 128, 163
Decimal	7636131
CIE Lab	55.00, 1.57, -18.40
CIE LCh	55, 18.465, 274.885
Yxy	22.9298, 0.2664, 0.2761
Android (android.graphics.Color)	4285826211 (0xFF7484A3)
YUV	130.7500, 15.8993, -12.9358
Hunter-Lab	47.8851, -1.2989, -13.5313

Details

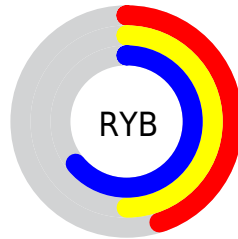
The CIELCh color $55, 18.465, 274.885$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $62, 18.627, 86.915$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 18.458, 274.929$, and $35, 18.209, 273.906$ is the 20% darker color. If you saturate the color by 10%, you get $51, 25.062, 276.884$, and if you desaturate by 10%, it is $59, 11.967, 273.172$.

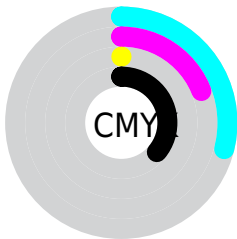
Distribution



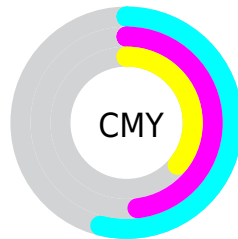
- Red (45%)
- Green (52%)
- Blue (64%)



- Red (45%)
- Yellow (50%)
- Blue (64%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)
- Black (36%)





- Cyan (54%)
- Magenta (48%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 18.465, 274.885 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, 18.465, 274.885 by changing the saturation by 10% instead.


 55, 18.465,
274.885


 55, 18.465,
274.885


 100, 18.465,
274.885


 45, 18.465,
274.885


 75, 18.465,
274.885

 35, 18.465,
274.885

 85, 18.465,
274.885

 25, 18.465,
274.885

 95, 18.465,
274.885

 15, 18.465,
274.885

 5, 18.465, 274.885

 0, 18.465, 274.885

■ 55, 18.465,
274.885

■ 55, 18.465,
274.885

■ 51, 25.062,
276.884

■ 59, 11.967,
273.172

■ 47, 31.774,
279.216

■ 63, 5.565, 271.720

■ 68, 0.743, 90.129

■ 43, 38.624,
281.909

■ 72, 6.956, 89.286

■ 39, 45.641,
284.968

■ 76, 13.072, 88.344

■ 35, 52.849,
288.348

■ 80, 19.091, 87.512

■ 84, 25.010, 86.775

■ 32, 60.232,
291.937

■ 88, 30.828, 86.121

■ 28, 67.689,
295.467

■ 92, 35.389, 90.395

■ 28, 68.582,

295.851

Harmonies

Complementary

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



55, 18.465, 274.885



62, 18.627, 86.915

Rectangle

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



55, 18.465, 274.885



55, 18.465, 324.885



55, 18.465, 94.885



55, 18.465, 144.885

Sweetspot

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



55, 18.464, 274.883



80, 7.033, 271.768



63, 19.692, 169.823



42, 4.930, 271.957



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, 18.464, 274.883



67, 27.867, 276.219



51, 27.603, 298.621



32, 3.577, 271.781



25, 62.354, 295.479



2, 5.728, 273.075

Inverse Universe

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



54, 21.003, 356.239



65, 31.750, 357.177



65, 25.863, 113.945



32, 4.002, 354.016



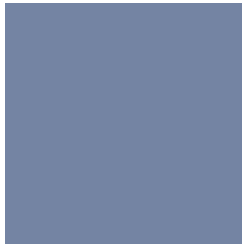
30, 56.459, 16.213



1, 6.018, 355.381

Previews

White Background



This preview shows how the CIELCh color 55, 18.465, 274.885 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, 18.465, 274.885 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

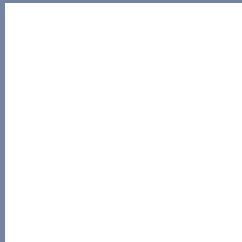
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 18.465, 274.885

Background



This preview shows how black text looks on a background with the CIELCh color 55, 18.465, 274.885.

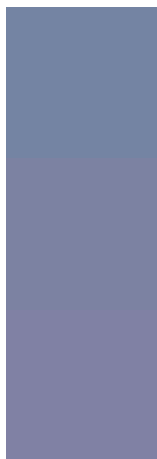


This preview shows how white text looks on a background with the CIELCh color 55, 18.465, 274.885.

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

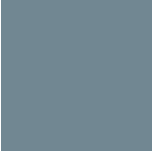
55, 18.465, 274.885

Protanopia

55, 18.466, 285.798

Deuteranopia

55, 20.128, 291.563



Tritanopia
55, 10.041, 237.998

Trichromacy



Original Color
55, 18.465, 274.885

Protanomaly
55, 18.054, 281.113

Deuteranomaly
55, 19.603, 286.355

Tritanomaly
55, 12.370, 256.088

Monochromacy



Original Color
55, 18.465, 274.885

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 7.117, 275.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 18.465, 274.885 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(116, 132, 163)` looks like.

```
.text, #text, p{  
    color:rgb(116, 132, 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(116, 132, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 132, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 18.465, 274.885 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(116, 132, 163) }
```

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

```
.border{ border-color:rgb(116, 132, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 132, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 132, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 132, 163);  
box-shadow:4px 4px 4px 4px rgb(116, 132,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 18.465, 274.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 132, 163) }
```

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

```
.background{ background-color: rgb(116,  
132, 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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