

Converting Colors

CIELCh(51, 17.661, 271.585)

Have a look what the booklet for
CIELCh(51, 17.661, 271.585)
contains.

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Color

CIELCh(51, 17.255, 270.904)

Conversions

Conversions Part 1

Format	Color
Hex	697B97
RGB	105, 123, 151
RGB Percent	41%, 48%, 59%
CMY	0.5898, 0.5192, 0.4095
CMYK	0.31, 0.19, 0.00, 0.41
HSL	217°, 18%, 50%
HSV	217°, 31%, 59%
XYZ	18.3661, 19.2686, 31.8545
YIQ	120.8100, -19.7160, 4.8920

Conversions

Conversions Part 2

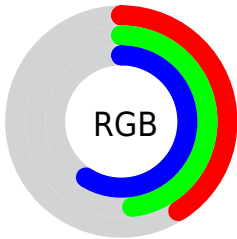
Format	Color
R_{YB}	105, 118, 151
Decimal	6912919
CIE _{Lab}	51.00, 0.27, -17.25
CIE _{LCh}	51, 17.255, 270.904
Yxy	19.2686, 0.2643, 0.2773
Android (android.graphics.Color)	4285102999 (0xFF697B97)
YUV	120.8100, 14.8837, -13.8654
Hunter-Lab	43.8960, -2.1337, -12.2984

Details

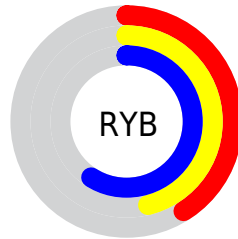
The CIELCh color $51, 17.255, 270.904$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 17.780, 82.296$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 17.295, 271.136$, and $31, 17.442, 271.794$ is the 20% darker color. If you saturate the color by 10%, you get $47, 22.985, 272.991$, and if you desaturate by 10%, it is $55, 11.563, 269.120$.

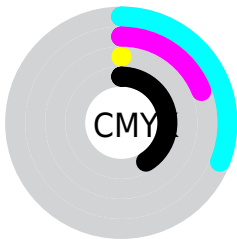
Distribution



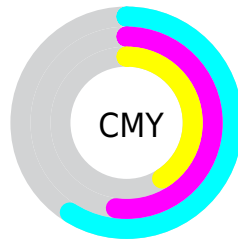
- Red (41%)
- Green (48%)
- Blue (59%)



- Red (41%)
- Yellow (46%)
- Blue (59%)



- Cyan (31%)
- Magenta (19%)
- Yellow (0%)
- Black (41%)



- Cyan (59%)
- Magenta (52%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 17.255, 270.904 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 51, 17.255, 270.904 by changing the saturation by 10% instead.

■ 51, 17.255,
270.904

■ 51, 17.255,
270.904

■ 100, 17.255,
270.904

■ 41, 17.255,
270.904

■ 71, 17.255,
270.904

■ 31, 17.255,
270.904

■ 81, 17.255,
270.904

■ 21, 17.255,
270.904

■ 91, 17.255,
270.904

■ 11, 17.255,
270.904

■ 1, 17.255, 270.904

■ 0, 17.255, 270.904

■ 51, 17.255,
270.904

■ 51, 17.255,
270.904

■ 47, 22.985,
272.991

■ 55, 11.563,
269.120

■ 44, 28.762,
275.428

■ 58, 5.912, 267.609

■ 40, 34.605,
278.250

■ 62, 0.305, 267.008

■ 37, 40.544,
281.462

■ 66, 5.251, 85.076

■ 33, 46.618,
285.026

■ 70, 10.751, 84.111

■ 30, 52.847,
288.832

■ 73, 16.189, 83.256

■ 28, 58.882,
292.343

■ 77, 21.560, 82.499

■ 81, 26.860, 81.827

■ 84, 32.086, 81.228

Harmonies

Complementary

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



51, 17.255, 270.904



56, 17.780, 82.296

Rectangle

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



51, 17.255, 270.904



51, 17.255, 320.904



51, 17.255, 90.904



51, 17.255, 140.904

Sweetspot

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



51, 17.254, 270.902



75, 6.268, 267.425



59, 20.257, 166.514



39, 4.392, 267.609



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



51, 17.254, 270.902



62, 26.021, 272.376



46, 27.427, 297.125



30, 3.212, 267.432



26, 55.530, 292.078



1, 3.485, 266.783

Inverse Universe

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



49, 21.392, 353.038



60, 32.314, 353.993



61, 25.548, 111.679



30, 3.905, 350.707



29, 54.312, 11.205



1, 4.144, 350.349

Previews

White Background



This preview shows how the CIELCh color 51, 17.255, 270.904 looks on a white background.

Color Contrast Check

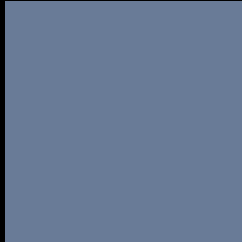
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 17.255, 270.904 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

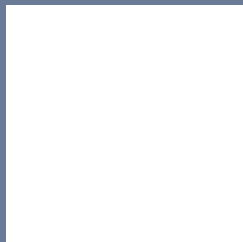
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 17.255, 270.904

Background



This preview shows how black text looks on a background with the CIELCh color 51, 17.255, 270.904.



This preview shows how white text looks on a background with the CIELCh color 51, 17.255, 270.904.

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

51, 17.255, 270.904

Protanopia

51, 16.967, 286.243

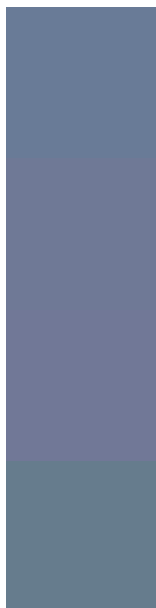
Deuteranopia

51, 18.673, 291.429



Tritanopia
51, 10.383, 233.013

Trichromacy



Original Color
51, 17.255, 270.904

Protanomaly
51, 17.170, 280.394

Deuteranomaly
51, 18.187, 284.616

Tritanomaly
51, 12.449, 252.010

Monochromacy



Original Color
51, 17.255, 270.904

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 6.367, 266.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 17.255, 270.904 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(105, 123, 151)` looks like.

```
.text, #text, p{  
    color:rgb(105, 123, 151)  
}
```

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(105, 123, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 123, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 17.255, 270.904 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(105, 123, 151) }
```

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

```
.border{ border-color:rgb(105, 123, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 123, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 123, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 123, 151);  
box-shadow:4px 4px 4px 4px rgb(105, 123,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 17.255, 270.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 123, 151) }
```

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

```
.background{ background-color: rgb(105,  
123, 151) }
```

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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