

Converting Colors

CIELCh(51, 20.979, 266.939)

Have a look what the booklet for
CIELCh(51, 20.979, 266.939)
contains.

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Color

CIELCh(51, 20.972, 266.235)

Conversions

Conversions Part 1

Format	Color
Hex	607C9D
RGB	96, 124, 157
RGB Percent	38%, 49%, 62%
CMY	0.6243, 0.5145, 0.3851
CMYK	0.39, 0.21, 0.00, 0.39
HSL	212°, 24%, 50%
HSV	212°, 39%, 61%
XYZ	18.0535, 19.2686, 34.5727
YIQ	119.3900, -27.2810, 4.3270

Conversions

Conversions Part 2

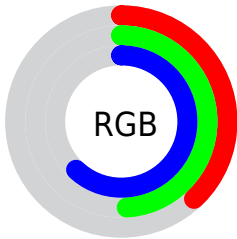
Format	Color
R_{YB}	96, 115, 157
Decimal	6323357
CIE _{Lab}	51.00, -1.38, -20.93
CIE _{LCh}	51, 20.972, 266.235
Yxy	19.2686, 0.2511, 0.2680
Android (android.graphics.Color)	4284513437 (0xFF607C9D)
YUV	119.3900, 18.5417, -20.5130
Hunter-Lab	43.8960, -3.4048, -15.9698

Details

The CIELCh color `51, 20.972, 266.235` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `56, 22.727, 74.777`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 21.247, 267.468`, and `31, 21.420, 267.049` is the 20% darker color. If you saturate the color by 10%, you get `48, 26.276, 268.686`, and if you desaturate by 10%, it is `54, 15.625, 264.153`.

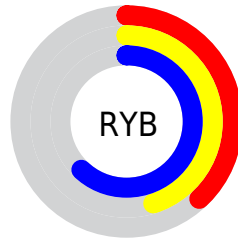
Distribution



Red (38%)

Green (49%)

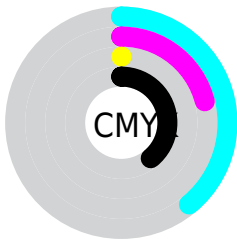
Blue (62%)



Red (38%)

Yellow (45%)

Blue (62%)

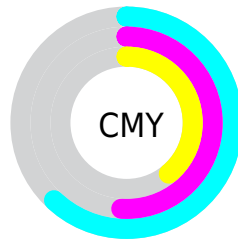


Cyan (39%)

Magenta (21%)

Yellow (0%)

Black (39%)



Cyan (62%)


Magenta (51%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.972, 266.235 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, 20.972, 266.235 by changing the saturation by 10% instead.


 51, 20.972,
266.235


 51, 20.972,
266.235


 100, 20.972,
266.235


 41, 20.972,
266.235


 71, 20.972,
266.235

 31, 20.972,
266.235

 81, 20.972,
266.235

 21, 20.972,
266.235

 91, 20.972,
266.235

 11, 20.972,
266.235

 1, 20.972, 266.235

 0, 20.972, 266.235

■ 51, 20.972,
266.235

■ 51, 20.972,
266.235

■ 48, 26.276,
268.686

■ 54, 15.625,
264.153

■ 44, 31.547,
271.554

■ 58, 10.241,
262.394

■ 41, 36.812,
274.865

■ 62, 4.831, 260.920

■ 38, 42.117,
278.601

■ 65, 0.591, 79.104

■ 69, 6.010, 78.430

■ 35, 47.523,
282.678

■ 72, 11.414, 77.499

■ 32, 53.095,
286.822

■ 76, 16.790, 76.678

■ 79, 22.131, 75.954

■ 32, 53.724,
287.244

■ 83, 27.427, 75.315

Harmonies

Complementary

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



51, 20.972, 266.235



56, 22.727, 74.777

Rectangle

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



51, 20.972, 266.235



51, 20.972, 316.235



51, 20.972, 86.235



51, 20.972, 136.235

Sweetspot

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



51, 20.971, 266.234



77, 8.067, 261.379



60, 27.818, 161.706



40, 5.337, 261.549



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 20.971, 266.234



62, 31.305, 268.425



43, 36.689, 296.202



32, 3.090, 260.967



29, 49.758, 286.867



2, 4.134, 262.076

Inverse Universe

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



48, 29.252, 349.847



58, 43.591, 351.110



63, 33.296, 108.027



31, 4.186, 346.646



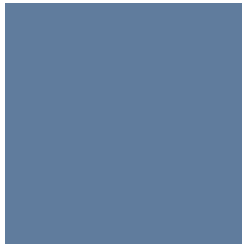
30, 54.853, 4.864



1, 5.327, 347.279

Previews

White Background



This preview shows how the CIELCh color 51, 20.972, 266.235 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, 20.972, 266.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

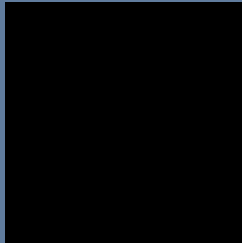
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

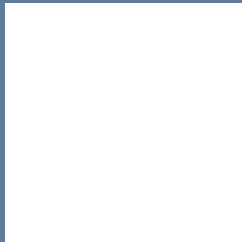
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 20.972, 266.235

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.972, 266.235.

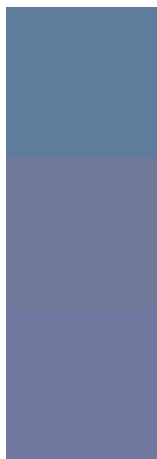


This preview shows how white text looks on a background with the CIELCh color 51, 20.972, 266.235.

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, 20.972, 266.235

Protanopia

51, 19.910, 285.590

Deuteranopia

51, 22.793, 287.822



Tritanopia
51, 13.804, 223.410

Trichromacy



Original Color
51, 20.972, 266.235

Protanomaly
51, 20.240, 278.890

Deuteranomaly
51, 21.921, 280.323

Tritanomaly
51, 15.189, 242.560

Monochromacy



Original Color
51, 20.972, 266.235

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.873, 262.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.972, 266.235 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(96, 124, 157)` looks like.

```
.text, #text, p{  
    color:rgb(96, 124, 157)  
}
```

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(96, 124, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 124, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.972, 266.235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

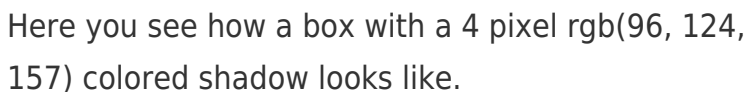
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 124, 157) }
```

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

```
.border{ border-color:rgb(96, 124, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 124, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 124, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 124, 157); box-shadow:4px 4px 4px 4px rgb(96, 124, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.972, 266.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 124, 157) }
```

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

```
.background{ background-color: rgb(96, 124,  
157) }
```

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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