

Converting Colors

CIELCh(51, 21.584, 293.366)

Have a look what the booklet for
CIELCh(51, 21.584, 293.366)
contains.

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Color

CIELCh(51, 21.618, 293.821)

Conversions

Conversions Part 1

Format	Color
Hex	77769B
RGB	119, 118, 155
RGB Percent	47%, 46%, 61%
CMY	0.5331, 0.5370, 0.3919
CMYK	0.23, 0.24, 0.00, 0.39
HSL	242°, 16%, 54%
HSV	242°, 24%, 61%
XYZ	20.0260, 19.2686, 33.7056
YIQ	122.5170, -11.2810, 11.7190

Conversions

Conversions Part 2

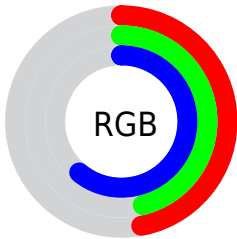
Format	Color
R_{YB}	119, 118, 155
Decimal	7829147
CIE _{Lab}	51.00, 8.73, -19.78
CIE _{LCh}	51, 21.618, 293.821
Yxy	19.2686, 0.2743, 0.2640
Android (android.graphics.Color)	4286019227 (0xFF77769B)
YUV	122.5170, 16.0141, -3.0844
Hunter-Lab	43.8960, 4.6164, -14.7987

Details

The CIELCh color $51, 21.618, 293.821$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 20.466, 109.087$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 21.906, 294.089$, and $31, 21.674, 293.983$ is the 20% darker color. If you saturate the color by 10%, you get $46, 31.317, 295.220$, and if you desaturate by 10%, it is $56, 12.308, 292.622$.

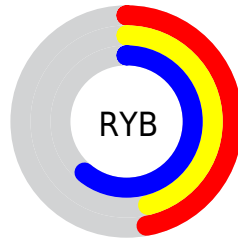
Distribution



Red (47%)

Green (46%)

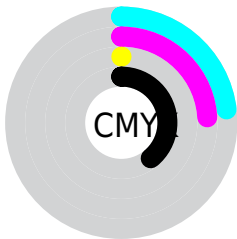
Blue (61%)



Red (47%)

Yellow (46%)

Blue (61%)

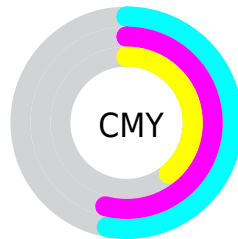


Cyan (23%)

Magenta (24%)

Yellow (0%)

Black (39%)



Cyan (53%)


Magenta (54%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 21.618, 293.821 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, 21.618, 293.821 by changing the saturation by 10% instead.


 51, 21.618,
293.821


 51, 21.618,
293.821


 100, 21.618,
293.821


 41, 21.618,
293.821


 71, 21.618,
293.821

 31, 21.618,
293.821

 81, 21.618,
293.821

 21, 21.618,
293.821

 91, 21.618,
293.821

 11, 21.618,
293.821

 1, 21.618, 293.821

 0, 21.618, 293.821

■ 51, 21.618,
293.821

■ 51, 21.618,
293.821

■ 46, 31.317,
295.220

■ 56, 12.308,
292.622

■ 40, 41.417,
296.839

■ 62, 3.367, 291.609

■ 67, 5.232, 110.715

■ 35, 51.876,
298.669

■ 73, 13.515,
109.975

■ 30, 62.528,
300.659

■ 78, 21.504,
109.338

■ 25, 72.933,
302.672

■ 83, 29.220,
108.790

■ 21, 82.178,
304.466

■ 88, 36.680,
108.316

■ 19, 88.894,
305.733

■ 94, 43.901,
107.906

■ 17, 92.147,

306.386

 98, 49.712,
106.438

Harmonies

Complementary

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



51, 21.618, 293.821



63, 20.466, 109.087

Rectangle

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



51, 21.618, 293.821



51, 21.618, 343.821



51, 21.618, 113.821



51, 21.618, 163.821

Sweetspot

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



51, 21.617, 293.820



76, 7.596, 291.920



61, 13.065, 199.787



40, 4.979, 291.973



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, 21.617, 293.820



62, 32.899, 294.593



53, 22.698, 310.733



29, 4.920, 292.129



15, 85.609, 306.398



0, 5.232, 291.224

Inverse Universe

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



54, 25.007, 326.453



67, 37.571, 326.759



62, 22.010, 128.590



30, 5.832, 325.645



33, 72.551, 329.311



1, 6.254, 325.265

Previews

White Background



This preview shows how the CIELCh color 51, 21.618, 293.821 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, 21.618, 293.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

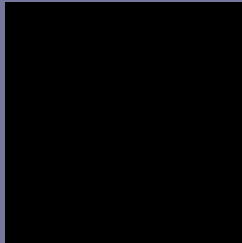
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 21.618, 293.821

Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.618, 293.821.



This preview shows how white text looks on a background with the CIELCh color 51, 21.618, 293.821.

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

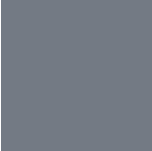
51, 21.618, 293.821

Protanopia

51, 21.667, 285.547

Deuteranopia

51, 21.007, 289.937



Tritanopia
51, 6.358, 266.065

Trichromacy



Original Color
51, 21.618, 293.821

Protanomaly
51, 21.599, 289.178

Deuteranomaly
51, 20.999, 290.887

Tritanomaly
51, 11.191, 282.023

Monochromacy



Original Color
51, 21.618, 293.821

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 8.176, 293.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.618, 293.821 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(119, 118, 155)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 155)  
}
```

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(119, 118, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.618, 293.821 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(119, 118, 155) }
```

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

```
.border{ border-color:rgb(119, 118, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 155);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.618, 293.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 155) }
```

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

```
.background{ background-color: rgb(119,  
118, 155) }
```

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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