

Converting Colors

CIELCh(51, 20.497, 289.050)

Have a look what the booklet for
CIELCh(51, 20.497, 289.050)
contains.

CIELCh(51, 20.441, 288.799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 20.441, 288.799)

Conversions

Conversions Part 1

Format	Color
Hex	73779A
RGB	115, 119, 154
RGB Percent	45%, 47%, 60%
CMY	0.5479, 0.5322, 0.3949
CMYK	0.25, 0.23, 0.00, 0.39
HSL	234°, 16%, 53%
HSV	234°, 25%, 61%
XYZ	19.5962, 19.2686, 33.3884
YIQ	121.7940, -13.6190, 10.0370

Conversions

Conversions Part 2

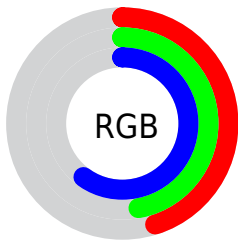
Format	Color
R_{YB}	115, 119, 154
Decimal	7567258
CIE _{Lab}	51.00, 6.59, -19.35
CIE _{LCh}	51, 20.441, 288.799
Yxy	19.2686, 0.2712, 0.2667
Android (android.graphics.Color)	4285757338 (0xFF73779A)
YUV	121.7940, 15.8776, -5.9583
Hunter-Lab	43.8960, 2.8686, -14.3702

Details

The CIELCh color $51, 20.441, 288.799$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 19.542, 103.063$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 20.236, 289.251$, and $31, 20.413, 288.730$ is the 20% darker color. If you saturate the color by 10%, you get $46, 29.058, 290.406$, and if you desaturate by 10%, it is $56, 12.138, 287.423$.

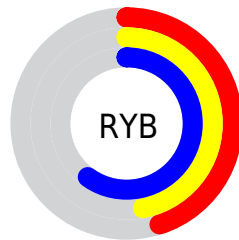
Distribution



Red (45%)

Green (47%)

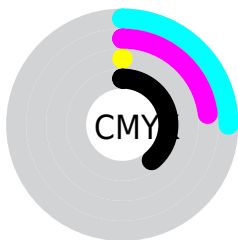
Blue (60%)



Red (45%)

Yellow (47%)

Blue (60%)

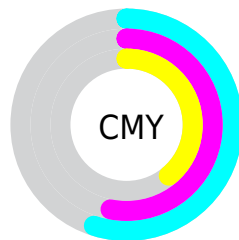


Cyan (25%)

Magenta (23%)

Yellow (0%)

Black (39%)



Cyan (55%)


Magenta (53%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.441, 288.799 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, 20.441, 288.799 by changing the saturation by 10% instead.


 51, 20.441,
288.799


 51, 20.441,
288.799


 100, 20.441,
288.799


 41, 20.441,
288.799


 71, 20.441,
288.799

 31, 20.441,
288.799

 81, 20.441,
288.799

 21, 20.441,
288.799

 91, 20.441,
288.799

 11, 20.441,
288.799

 1, 20.441, 288.799

 0, 20.441, 288.799

■ 51, 20.441,
288.799

■ 51, 20.441,
288.799

■ 46, 29.058,
290.406

■ 56, 12.138,
287.423

■ 41, 38.016,
292.275

■ 61, 4.128, 286.259

■ 66, 3.612, 105.203

■ 36, 47.317,
294.412

■ 71, 11.100,
104.350

■ 31, 56.907,
296.792

■ 76, 18.355,
103.603

■ 27, 66.582,
299.315

■ 81, 25.388,
102.951

■ 23, 75.844,
301.791


■ 86, 32.214,
102.382

■ 20, 83.779,
303.931

■ 90, 38.843,
101.882

■ 19, 86.796,

304.675

 95, 45.286,
101.440

Harmonies

Complementary

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



51, 20.441, 288.799



62, 19.542, 103.063

Rectangle

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



51, 20.441, 288.799



51, 20.441, 338.799



51, 20.441, 108.799



51, 20.441, 158.799

Sweetspot

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



51, 20.440, 288.798



76, 7.803, 286.571



61, 14.453, 187.832



40, 5.602, 286.734



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, 20.440, 288.798



62, 30.436, 289.622



51, 23.502, 306.291



30, 4.413, 286.691



17, 80.525, 304.525



1, 4.712, 285.769

Inverse Universe

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



52, 16.409, 13.343



65, 24.572, 14.033



62, 22.516, 123.623



30, 3.465, 11.625



28, 62.693, 34.641



1, 3.641, 11.085

Previews

White Background



This preview shows how the CIELCh color 51, 20.441, 288.799 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, 20.441, 288.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

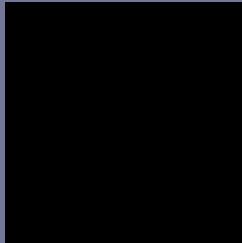
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 20.441, 288.799

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.441, 288.799.



This preview shows how white text looks on a background with the CIELCh color 51, 20.441, 288.799.

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

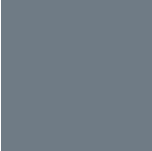
51, 20.441, 288.799

Protanopia

51, 20.485, 285.885

Deuteranopia

51, 20.427, 289.775



Tritanopia
51, 7.286, 252.474

Trichromacy



Original Color
51, 20.441, 288.799

Protanomaly
51, 20.456, 286.842

Deuteranomaly
51, 20.427, 289.775

Tritanomaly
51, 11.470, 274.780

Monochromacy



Original Color
51, 20.441, 288.799

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.582, 288.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.441, 288.799 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(115, 119, 154)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 154)  
}
```

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(115, 119, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.441, 288.799 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(115, 119, 154) }
```

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

```
.border{ border-color:rgb(115, 119, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 119, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 119, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 119, 154);  
box-shadow:4px 4px 4px 4px rgb(115, 119,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.441, 288.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 154) }
```

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

```
.background{ background-color: rgb(115,  
119, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor