

Converting Colors

CIELCh(51, 42.395, 277.844)

Have a look what the booklet for
CIELCh(51, 42.395, 277.844)
contains.

CIELCh(51, 42.441, 277.939)	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, 42.441, 277.939)

Conversions

Conversions Part 1

Format	Color
Hex	4A7AC1
RGB	74, 122, 193
RGB Percent	29%, 48%, 76%
CMY	0.7092, 0.5211, 0.2426
CMYK	0.62, 0.37, 0.00, 0.24
HSL	216°, 49%, 52%
HSV	216°, 62%, 76%
XYZ	19.4523, 19.2686, 53.2277
YIQ	115.7420, -51.3990, 11.9050

Conversions

Conversions Part 2

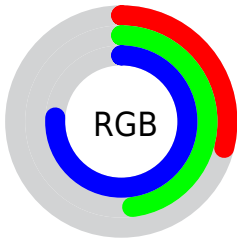
Format	Color
R_{YB}	74, 108, 193
Decimal	4881089
CIE _{Lab}	51.00, 5.86, -42.03
CIE _{LCh}	51, 42.441, 277.939
Yxy	19.2686, 0.2116, 0.2096
Android (android.graphics.Color)	4283071169 (0xFF4A7AC1)
YUV	115.7420, 38.0882, -36.6077
Hunter-Lab	43.8960, 2.2831, -41.1670

Details

The CIELCh color **51, 42.441, 277.939** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **63, 45.210, 76.752**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 42.551, 277.938**, and **31, 42.148, 279.515** is the 20% darker color. If you saturate the color by 10%, you get **47, 49.564, 281.334**, and if you desaturate by 10%, it is **55, 35.428, 274.956**.

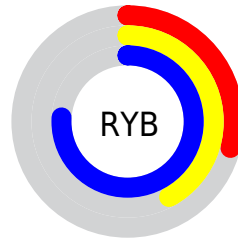
Distribution



Red (29%)

Green (48%)

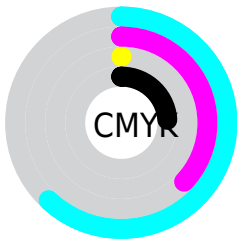
Blue (76%)



Red (29%)

Yellow (42%)

Blue (76%)

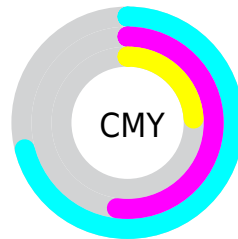


Cyan (62%)

Magenta (37%)

Yellow (0%)

Black (24%)



Cyan (71%)

Magenta (52%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 42.441, 277.939 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, 42.441, 277.939 by changing the saturation by 10% instead.

■ 51, 42.441,
277.939

■ 51, 42.441,
277.939

■ 100, 42.441,
277.939

■ 41, 42.441,
277.939

■ 71, 42.441,
277.939

■ 31, 42.441,
277.939

■ 81, 42.441,
277.939

■ 21, 42.441,
277.939

■ 91, 42.441,
277.939

■ 11, 42.441,
277.939

■ 1, 42.441, 277.939

■ 0, 42.441, 277.939

■ 51, 42.441,
277.939

■ 51, 42.441,
277.939

■ 47, 49.564,
281.334

■ 55, 35.428,
274.956

■ 43, 56.851,
285.085

■ 60, 28.484,
272.382

■ 39, 64.328,
289.058

■ 64, 21.583,
270.183

■ 37, 70.738,
292.324

■ 68, 14.715,
268.313

■ 73, 7.883, 266.731

■ 77, 1.092, 265.589

■ 82, 5.648, 84.102

■ 86, 12.328, 83.112

■ 91, 18.938, 82.233

Harmonies

Complementary

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



51, 42.441, 277.939



63, 45.210, 76.752

Rectangle

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



51, 42.441, 277.939



51, 42.441, 327.939



51, 42.441, 97.939



51, 42.441, 147.939

Sweetspot

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



51, 42.440, 277.940



88, 15.101, 267.757



71, 47.527, 161.271



45, 10.500, 268.247



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



51, 42.440, 277.940



59, 63.276, 282.631



39, 71.872, 301.549



39, 3.860, 266.416



30, 60.821, 291.746



4, 14.156, 276.238

Inverse Universe

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



49, 52.126, 357.617



58, 73.541, 1.249



75, 60.081, 108.610



38, 4.785, 350.010



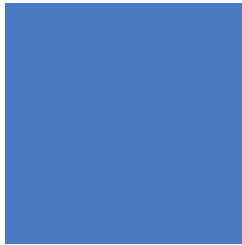
34, 59.943, 10.756



3, 15.118, 357.983

Previews

White Background



This preview shows how the CIELCh color 51, 42.441, 277.939 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, 42.441, 277.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

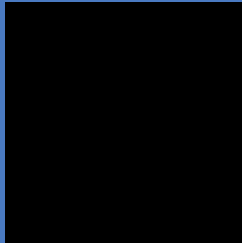
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 42.441, 277.939

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.441, 277.939.

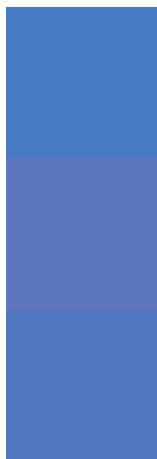


This preview shows how white text looks on a background with the CIELCh color 51, 42.441, 277.939.

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, 42.441, 277.939

Protanopia

51, 41.599, 285.309

Deuteranopia

51, 42.743, 280.040



Tritanopia
51, 24.792, 212.316

Trichromacy



Original Color
51, 42.441, 277.939

Protanomaly
51, 41.852, 282.549

Deuteranomaly
51, 42.835, 279.476

Tritanomaly
51, 26.644, 244.844

Monochromacy



Original Color
51, 42.441, 277.939

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 16.189, 270.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.441, 277.939 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(74, 122, 193)` looks like.

```
.text, #text, p{  
    color:rgb(74, 122, 193)  
}
```

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(74, 122, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 122, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.441, 277.939 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(74, 122, 193) }
```

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

```
.border{ border-color:rgb(74, 122, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 122, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 122, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 122, 193);  
box-shadow:4px 4px 4px 4px rgb(74, 122,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.441, 277.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 122, 193) }
```

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

```
.background{ background-color: rgb(74, 122,  
193) }
```

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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