

Converting Colors

CIELCh(51, 49.388, 275.493)

Have a look what the booklet for
CIELCh(51, 49.388, 275.493)
contains.

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Color

CIELCh(51, 49.455, 275.495)

Conversions

Conversions Part 1

Format	Color
Hex	2A7CCE
RGB	42, 124, 206
RGB Percent	16%, 49%, 81%
CMY	0.8338, 0.5150, 0.1936
CMYK	0.79, 0.40, 0.00, 0.19
HSL	210°, 66%, 49%
HSV	210°, 79%, 81%
XYZ	19.2301, 19.2686, 60.8564
YIQ	108.8300, -75.1940, 8.1180

Conversions

Conversions Part 2

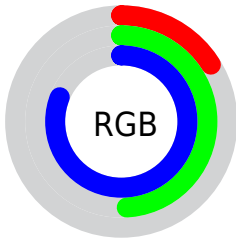
Format	Color
R _Y B	42, 97, 206
Decimal	2784462
CIE Lab	51.00, 4.74, -49.23
CIE LCh	51, 49.455, 275.495
Yxy	19.2686, 0.1935, 0.1939
Android (android.graphics.Color)	4280974542 (0xFF2A7CCE)
YUV	108.8300, 47.9048, -58.6099
Hunter-Lab	43.8960, 1.3796, -51.4711

Details

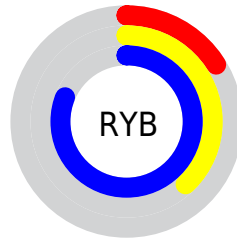
The CIELCh color **51, 49.455, 275.495** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **60, 60.596, 65.200**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 45.290, 272.659**, and **33, 47.779, 282.965** is the 20% darker color. If you saturate the color by 10%, you get **48, 55.492, 279.873**, and if you desaturate by 10%, it is **55, 43.498, 271.501**.

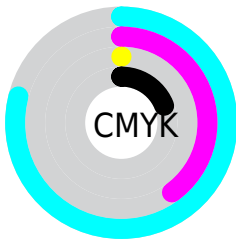
Distribution



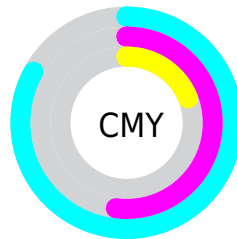
- Red (16%)
- Green (49%)
- Blue (81%)



- Red (16%)
- Yellow (38%)
- Blue (81%)



- Cyan (79%)
- Magenta (40%)
- Yellow (0%)
- Black (19%)





- Cyan (83%)
- Magenta (52%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 49.455, 275.495 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, 49.455, 275.495 by changing the saturation by 10% instead.


 51, 49.455,
275.495

 51, 49.455,
275.495

 100, 49.455,
275.495


 41, 49.455,
275.495


 71, 49.455,
275.495

 31, 49.455,
275.495

 81, 49.455,
275.495

 21, 49.455,
275.495

 91, 49.455,
275.495

 11, 49.455,
275.495

 1, 49.455, 275.495

 0, 49.455, 275.495

■ 51, 49.455,
275.495

■ 51, 49.455,
275.495

■ 48, 55.492,
279.873

■ 55, 43.498,
271.501

■ 44, 61.718,
284.367

■ 58, 37.527,
267.980

■ 44, 62.112,
284.628

■ 62, 31.476,
264.952

■ 66, 25.309,
262.387

■ 70, 19.021,
260.230

■ 74, 12.625,
258.423

■ 79, 6.144, 256.925

■ 83, 0.397, 74.627

Harmonies

Complementary

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



51, 49.455, 275.495



60, 60.596, 65.200

Rectangle

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



51, 49.455, 275.495



51, 49.455, 325.495



51, 49.455, 95.495



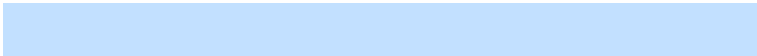
51, 49.455, 145.495

Sweetspot

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



51, 49.454, 275.496



88, 18.561, 259.271



73, 65.665, 153.427



45, 12.722, 259.942



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 49.454, 275.496



56, 70.211, 282.974



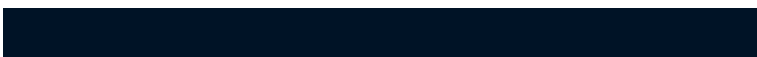
31, 98.500, 303.743



41, 3.690, 256.925



36, 52.111, 283.880



5, 15.187, 271.370

Inverse Universe

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



47, 67.380, 355.207



55, 84.118, 1.011



80, 75.645, 103.420



40, 5.304, 344.502



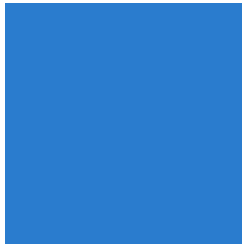
35, 61.406, 1.816



4, 19.899, 353.661

Previews

White Background



This preview shows how the CIE LCh color 51, 49.455, 275.495 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, 49.455, 275.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

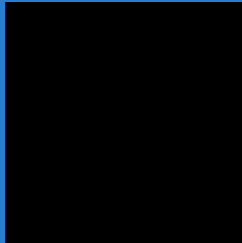
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 49.455, 275.495

Background



This preview shows how black text looks on a background with the CIELCh color 51, 49.455, 275.495.

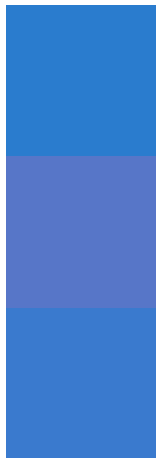


This preview shows how white text looks on a background with the CIELCh color 51, 49.455, 275.495.

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, 49.486, 275.371

Protanopia

51, 47.998, 286.035

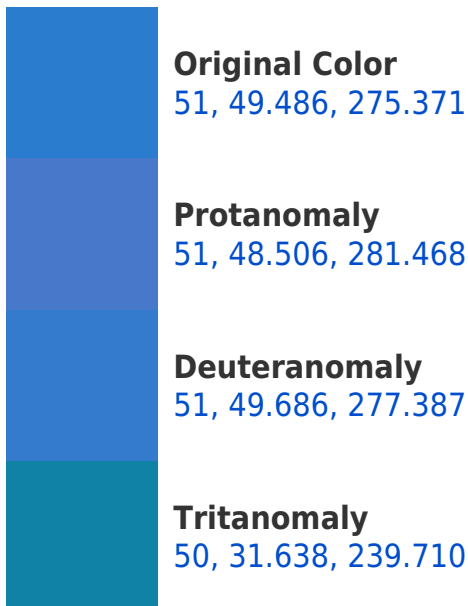
Deuteranopia

51, 50.017, 278.973

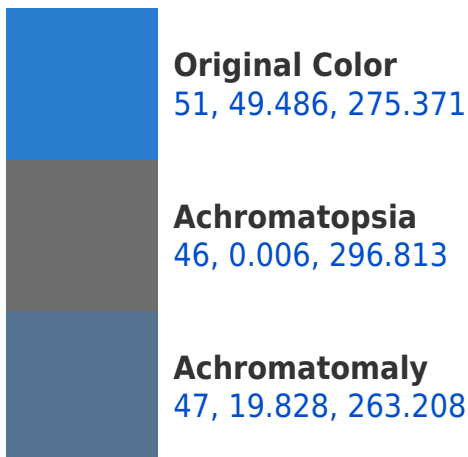


Tritanopia
51, 30.021, 207.990

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 49.455, 275.495 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(42, 124, 206)` looks like.

```
.text, #text, p{  
    color:rgb(42, 124, 206)  
}
```

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(42, 124, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 124, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 49.455, 275.495 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(42, 124, 206) }
```

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

```
.border{ border-color:rgb(42, 124, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 124, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 124, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 124, 206);  
box-shadow:4px 4px 4px 4px rgb(42, 124,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 49.455, 275.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 124, 206) }
```

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

```
.background{ background-color: rgb(42, 124,  
206) }
```

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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