

Converting Colors

CIELCh(51, 48.943, 275.113)

Have a look what the booklet for
CIELCh(51, 48.943, 275.113)
contains.

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Color

CIELCh(51, 48.943, 275.113)

Conversions

Conversions Part 1

Format	Color
Hex	2B7CCD
RGB	43, 124, 205
RGB Percent	17%, 49%, 80%
CMY	0.8327, 0.5145, 0.1969
CMYK	0.79, 0.40, 0.00, 0.20
HSL	210°, 66%, 49%
HSV	210°, 79%, 80%
XYZ	19.1567, 19.2686, 60.3266
YIQ	109.0150, -74.2770, 8.0190

Conversions

Conversions Part 2

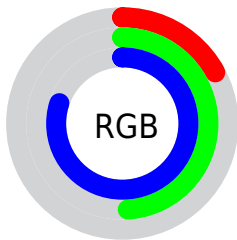
Format	Color
R _Y B	43, 97, 205
Decimal	2849997
CIE Lab	51.00, 4.36, -48.75
CIE LCh	51, 48.943, 275.113
Yxy	19.2686, 0.1940, 0.1951
Android (android.graphics.Color)	4281040077 (0xFF2B7CCD)
YUV	109.0150, 47.3206, -57.8952
Hunter-Lab	43.8960, 1.0811, -50.7555

Details

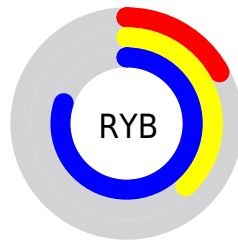
The CIELCh color **51, 48.943, 275.113** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **59, 60.250, 65.004**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 45.290, 272.659**, and **33, 47.205, 282.597** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.907, 279.493**, and if you desaturate by 10%, it is **55, 43.052, 271.123**.

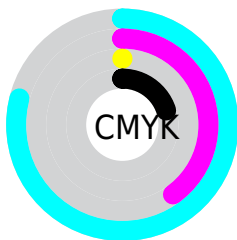
Distribution



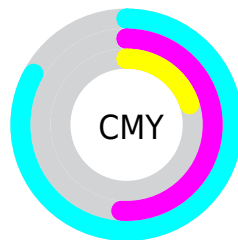
- Red (17%)
- Green (49%)
- Blue (80%)



- Red (17%)
- Yellow (38%)
- Blue (80%)



- Cyan (79%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)





- Cyan (83%)
- Magenta (51%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 48.943, 275.113 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, 48.943, 275.113 by changing the saturation by 10% instead.


 51, 48.943,
275.113


 51, 48.943,
275.113


 100, 48.943,
275.113


 41, 48.943,
275.113


 71, 48.943,
275.113

 31, 48.943,
275.113

 81, 48.943,
275.113

 21, 48.943,
275.113

 91, 48.943,
275.113

 11, 48.943,
275.113

 1, 48.943, 275.113

 0, 48.943, 275.113

■ 51, 48.943,
275.113

■ 51, 48.943,
275.113

■ 48, 54.907,
279.493

■ 55, 43.052,
271.123

■ 44, 61.054,
284.005

■ 58, 37.140,
267.612

■ 44, 61.577,
284.357

■ 62, 31.140,
264.595

■ 66, 25.019,
262.040

■ 70, 18.774,
259.893

■ 74, 12.417,
258.096

■ 78, 5.973, 256.608

■ 83, 0.533, 74.556

Harmonies

Complementary

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



51, 48.943, 275.113



59, 60.250, 65.004

Rectangle

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



51, 48.943, 275.113



51, 48.943, 325.113



51, 48.943, 95.113



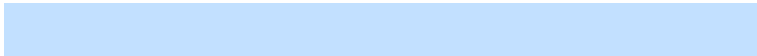
51, 48.943, 145.113

Sweetspot

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



51, 48.942, 275.114



88, 18.515, 258.979



73, 66.382, 152.637



45, 12.689, 259.650



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, 48.942, 275.114



56, 69.847, 282.710



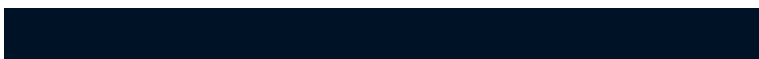
31, 96.532, 303.283



41, 3.682, 256.637



36, 51.838, 283.619



6, 15.137, 271.135

Inverse Universe

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



47, 67.138, 354.940



55, 84.162, 0.768



79, 74.361, 102.538



40, 5.314, 344.357



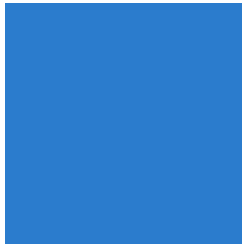
35, 61.434, 1.568



4, 19.925, 353.496

Previews

White Background



This preview shows how the CIELCh color 51, 48.943, 275.113 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, 48.943, 275.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

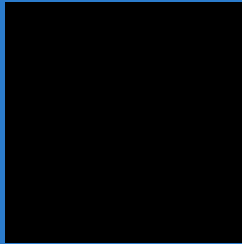
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

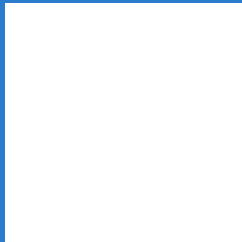
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 48.943, 275.113

Background



This preview shows how black text looks on a background with the CIELCh color 51, 48.943, 275.113.

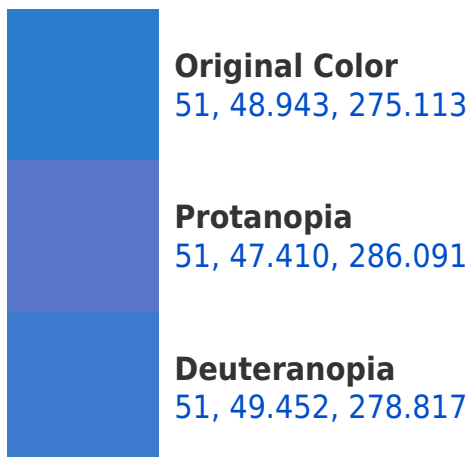


This preview shows how white text looks on a background with the CIELCh color 51, 48.943, 275.113.

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





Tritanopia
51, 30.021, 207.990

Trichromacy



Original Color
51, 48.943, 275.113

Protanomaly
51, 47.926, 281.398

Deuteranomaly
51, 49.129, 277.190

Tritanomaly
50, 31.596, 239.783

Monochromacy



Original Color
51, 48.943, 275.113

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 19.828, 263.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 48.943, 275.113 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(43, 124, 205)` looks like.

```
.text, #text, p{  
    color:rgb(43, 124, 205)  
}
```

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(43, 124, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 124, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 48.943, 275.113 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(43, 124, 205) }
```

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

```
.border{ border-color:rgb(43, 124, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 124, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 124, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 124, 205);  
box-shadow:4px 4px 4px 4px rgb(43, 124,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 48.943, 275.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 124, 205) }
```

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

```
.background{ background-color: rgb(43, 124,  
205) }
```

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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