

Converting Colors

CIELCh(51, 42.816, 269.132)

Have a look what the booklet for
CIELCh(51, 42.816, 269.132)
contains.

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Color

CIELCh(51, 42.495, 268.736)

Conversions

Conversions Part 1

Format	Color
Hex	2B7EC2
RGB	43, 126, 194
RGB Percent	17%, 49%, 76%
CMY	0.8325, 0.5066, 0.2400
CMYK	0.78, 0.35, 0.00, 0.24
HSL	207°, 64%, 46%
HSV	207°, 78%, 76%
XYZ	18.1365, 19.2686, 53.6855
YIQ	108.9350, -71.2960, 3.5520

Conversions

Conversions Part 2

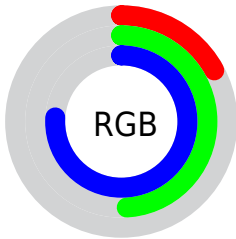
Format	Color
RYB	43, 97, 194
Decimal	2850498
CIELab	51.00, -0.94, -42.48
CIElCh	51, 42.495, 268.736
Yxy	19.2686, 0.1991, 0.2115
Android (android.graphics.Color)	4281040578 (0xFF2B7EC2)
YUV	108.9350, 41.9370, -57.8250
Hunter-Lab	43.8960, -3.0674, -41.7853

Details

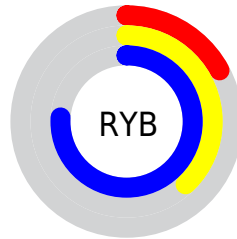
The CIELCh color **51, 42.495, 268.736** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **55, 57.108, 60.848**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 42.653, 269.130**, and **33, 40.343, 276.674** is the 20% darker color. If you saturate the color by 10%, you get **48, 47.302, 273.205**, and if you desaturate by 10%, it is **54, 37.643, 264.748**.

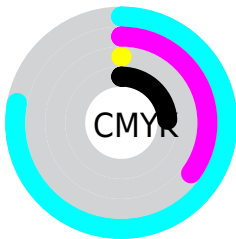
Distribution



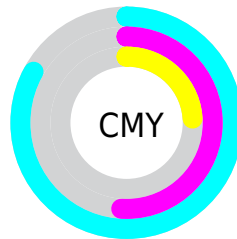
- Red (17%)
- Green (49%)
- Blue (76%)



- Red (17%)
- Yellow (38%)
- Blue (76%)



- Cyan (78%)
- Magenta (35%)
- Yellow (0%)
- Black (24%)



- Cyan (83%)
- Magenta (51%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 42.495, 268.736 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, 42.495, 268.736 by changing the saturation by 10% instead.

■ 51, 42.495,
268.736

■ 51, 42.495,
268.736

■ 100, 42.495,
268.736

■ 41, 42.495,
268.736

■ 71, 42.495,
268.736

■ 31, 42.495,
268.736

■ 81, 42.495,
268.736

■ 21, 42.495,
268.736

■ 91, 42.495,
268.736

■ 11, 42.495,
268.736

■ 1, 42.495, 268.736

■ 0, 42.495, 268.736

■ 51, 42.495,
268.736

■ 51, 42.495,
268.736

■ 48, 47.302,
273.205

■ 54, 37.643,
264.748

■ 45, 52.198,
277.949

■ 57, 32.653,
261.297

■ 45, 53.229,
278.869

■ 61, 27.467,
258.375

■ 64, 22.071,
255.930

■ 68, 16.474,
253.898

■ 72, 10.704,
252.215

■ 75, 4.793, 250.847

■ 79, 1.225, 69.254

Harmonies

Complementary

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



51, 42.495, 268.736



55, 57.108, 60.848

Rectangle

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



51, 42.495, 268.736



51, 42.495, 318.736



51, 42.495, 88.736



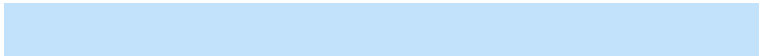
51, 42.495, 138.736

Sweetspot

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



51, 42.494, 268.737



89, 16.885, 253.084



70, 65.830, 150.568



46, 11.732, 253.730



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, 42.494, 268.737



60, 62.181, 276.794



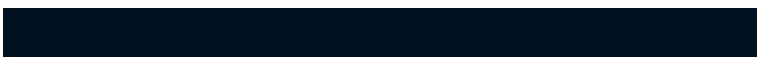
32, 86.636, 301.526



39, 3.406, 251.018



37, 45.736, 278.142



5, 12.146, 264.799

Inverse Universe

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



45, 65.119, 350.909



55, 84.572, 355.929



73, 68.013, 99.797



38, 5.268, 341.745



35, 60.795, 356.899



3, 16.309, 349.307

Previews

White Background



This preview shows how the CIE LCh color 51, 42.495, 268.736 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, 42.495, 268.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

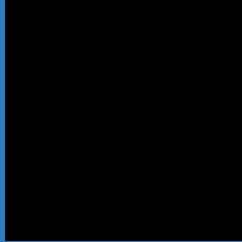
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 42.495, 268.736

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.495, 268.736.

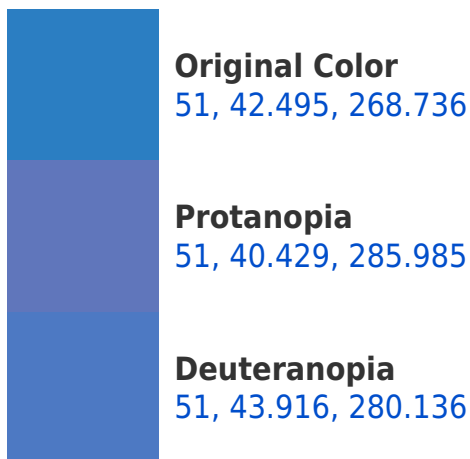


This preview shows how white text looks on a background with the CIELCh color 51, 42.495, 268.736.

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, 29.977, 209.186

Trichromacy



Original Color
51, 42.495, 268.736

Protanomaly
51, 40.682, 278.062

Deuteranomaly
51, 43.413, 275.729

Tritanomaly
51, 30.760, 235.248

Monochromacy



Original Color
51, 42.495, 268.736

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 17.586, 256.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.495, 268.736 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, 126, 194)` looks like.

```
.text, #text, p{  
    color:rgb(43, 126, 194)  
}
```

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, 126, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 126, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.495, 268.736 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, 126, 194) }
```

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

```
.border{ border-color:rgb(43, 126, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 126, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 126, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 126, 194);  
box-shadow:4px 4px 4px 4px rgb(43, 126,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.495, 268.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 126, 194) }
```

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

```
.background{ background-color: rgb(43, 126,  
194) }
```

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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