

Converting Colors

CIELCh(51, 24.601, 289.006)

Have a look what the booklet for
CIELCh(51, 24.601, 289.006)
contains.

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Color

CIELCh(51, 24.506, 289.233)

Conversions

Conversions Part 1

Format	Color
Hex	7277A1
RGB	114, 119, 161
RGB Percent	45%, 47%, 63%
CMY	0.5538, 0.5342, 0.3695
CMYK	0.29, 0.26, 0.00, 0.37
HSL	234°, 20%, 54%
HSV	234°, 29%, 63%
XYZ	19.8934, 19.2686, 36.2812
YIQ	122.2930, -16.4620, 12.0020

Conversions

Conversions Part 2

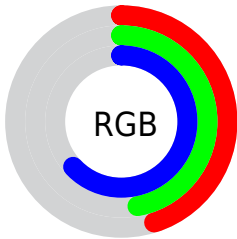
Format	Color
R_{YB}	114, 119, 161
Decimal	7501729
CIE _{Lab}	51.00, 8.07, -23.14
CIE _{LCh}	51, 24.506, 289.233
Yxy	19.2686, 0.2637, 0.2554
Android (android.graphics.Color)	4285691809 (0xFF7277A1)
YUV	122.2930, 19.0826, -7.2730
Hunter-Lab	43.8960, 4.0769, -18.2775

Details

The CIELCh color $51, 24.506, 289.233$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 23.250, 102.426$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 24.597, 289.450$, and $31, 24.218, 288.710$ is the 20% darker color. If you saturate the color by 10%, you get $46, 33.512, 290.954$, and if you desaturate by 10%, it is $56, 15.833, 287.758$.

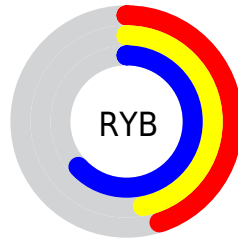
Distribution



Red (45%)

Green (47%)

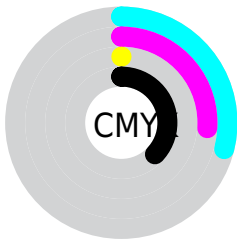
Blue (63%)



Red (45%)

Yellow (47%)

Blue (63%)

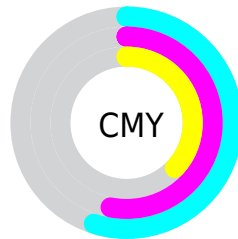


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (53%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 24.506, 289.233 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, 24.506, 289.233 by changing the saturation by 10% instead.

■ 51, 24.506,
289.233

■ 51, 24.506,
289.233

■ 100, 24.506,
289.233

■ 41, 24.506,
289.233

■ 71, 24.506,
289.233

■ 31, 24.506,
289.233

■ 81, 24.506,
289.233

■ 21, 24.506,
289.233

■ 91, 24.506,
289.233

■ 11, 24.506,
289.233

■ 1, 24.506, 289.233

■ 0, 24.506, 289.233

■ 51, 24.506,
289.233

■ 51, 24.506,
289.233

■ 46, 33.512,
290.954

■ 56, 15.833,
287.758

■ 41, 42.874,
292.945

■ 61, 7.471, 286.502

■ 36, 52.579,
295.204

■ 67, 0.605, 105.256

■ 72, 8.417, 104.471

■ 31, 62.526,
297.679

■ 77, 15.981,
103.677

■ 27, 72.410,
300.237

■ 82, 23.313,
102.985

■ 23, 81.552,
302.643


■ 87, 30.427,
102.381

■ 20, 88.920,
304.546

■ 92, 37.334,
101.852

■ 20, 89.391,

304.655

 96, 43.930,
103.176

Harmonies

Complementary

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



51, 24.506, 289.233



64, 23.250, 102.426

Rectangle

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



51, 24.506, 289.233



51, 24.506, 339.233



51, 24.506, 109.233



51, 24.506, 159.233

Sweetspot

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



51, 24.505, 289.232



78, 9.024, 286.496



63, 17.086, 187.498



40, 6.272, 286.656



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



51, 24.505, 289.232



61, 36.786, 290.310



51, 28.268, 306.550



32, 4.636, 286.508



18, 82.578, 304.500



1, 7.192, 285.976

Inverse Universe

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



53, 19.853, 13.550



64, 29.966, 14.477



64, 26.876, 123.414



32, 3.659, 11.313



30, 64.301, 34.578



1, 5.527, 11.433

Previews

White Background



This preview shows how the CIELCh color 51, 24.506, 289.233 looks on a white background.

Color Contrast Check

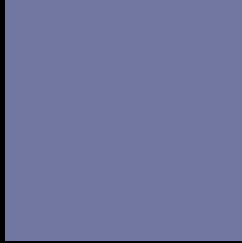
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 24.506, 289.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

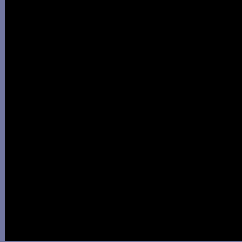
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

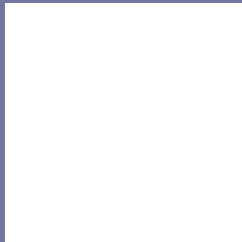
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 24.506, 289.233

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.506, 289.233.



This preview shows how white text looks on a background with the CIELCh color 51, 24.506, 289.233.

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

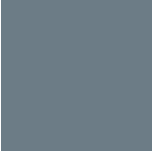
51, 24.506, 289.233

Protanopia

51, 24.601, 285.346

Deuteranopia

51, 24.546, 287.674



Tritanopia
51, 8.226, 244.267

Trichromacy



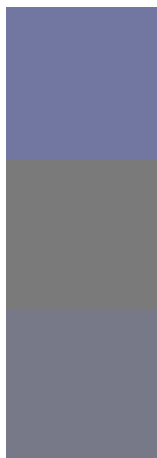
Original Color
51, 24.506, 289.233

Protanomaly
51, 24.567, 286.107

Deuteranomaly
51, 24.524, 288.451

Tritanomaly
51, 13.413, 272.907

Monochromacy



Original Color
51, 24.506, 289.233

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 8.763, 286.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.506, 289.233 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(114, 119, 161)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 161)  
}
```

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(114, 119, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.506, 289.233 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(114, 119, 161) }
```

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

```
.border{ border-color:rgb(114, 119, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 161);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.506, 289.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 161) }
```

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

```
.background{ background-color: rgb(114,  
119, 161) }
```

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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