

Converting Colors

CIELCh(51, 24.788, 257.009)

Have a look what the booklet for
CIELCh(51, 24.788, 257.009)
contains.

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Color

CIELCh(51, 24.807, 257.044)

Conversions

Conversions Part 1

Format	Color
Hex	4F7EA2
RGB	79, 126, 162
RGB Percent	31%, 49%, 64%
CMY	0.6893, 0.5050, 0.3638
CMYK	0.51, 0.22, 0.00, 0.36
HSL	206°, 34%, 47%
HSV	206°, 51%, 64%
XYZ	17.2764, 19.2686, 37.1015
YIQ	116.0510, -39.5680, 1.2320

Conversions

Conversions Part 2

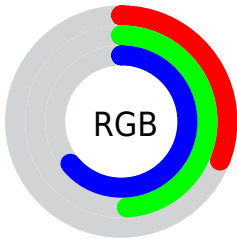
Format	Color
R _Y B	79, 109, 162
Decimal	5209762
CIE Lab	51.00, -5.56, -24.18
CIE LCh	51, 24.807, 257.044
Yxy	19.2686, 0.2346, 0.2616
Android (android.graphics.Color)	4283399842 (0xFF4F7EA2)
YUV	116.0510, 22.6529, -32.4937
Hunter-Lab	43.8960, -6.5650, -19.3855

Details

The CIELCh color **51, 24.807, 257.044** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **53, 30.653, 62.471**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 24.692, 256.462**, and **31, 24.789, 257.130** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.093, 260.035**, and if you desaturate by 10%, it is **54, 20.312, 254.540**.

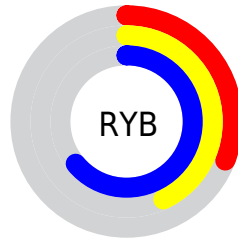
Distribution



Red (31%)

Green (49%)

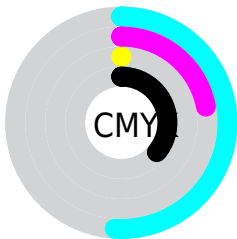
Blue (64%)



Red (31%)

Yellow (43%)

Blue (64%)

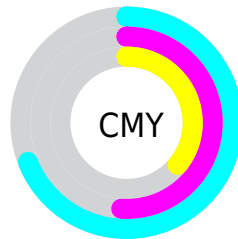


Cyan (51%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (69%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 24.807, 257.044 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, 24.807, 257.044 by changing the saturation by 10% instead.

■ 51, 24.807,
257.044

■ 51, 24.807,
257.044

■ 100, 24.807,
257.044

■ 41, 24.807,
257.044

■ 71, 24.807,
257.044

■ 31, 24.807,
257.044

■ 81, 24.807,
257.044

■ 21, 24.807,
257.044

■ 91, 24.807,
257.044

■ 11, 24.807,
257.044

■ 1, 24.807, 257.044

■ 0, 24.807, 257.044

■ 51, 24.807,
257.044

■ 51, 24.807,
257.044

■ 48, 29.093,
260.035

■ 54, 20.312,
254.540

■ 45, 33.192,
263.561

■ 57, 15.619,
252.460

■ 43, 37.156,
267.625

■ 60, 10.750,
250.738

■ 40, 41.073,
272.159

■ 63, 5.735, 249.327

■ 38, 44.626,
276.250

■ 66, 0.605, 248.654

■ 70, 4.608, 66.972

■ 73, 9.880, 66.158

■ 76, 15.188, 65.442

■ 79, 20.512, 64.823

Harmonies

Complementary

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



51, 24.807, 257.044



53, 30.653, 62.471

Rectangle

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



51, 24.807, 257.044



51, 24.807, 307.044



51, 24.807, 77.044



51, 24.807, 127.044

Sweetspot

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



51, 24.806, 257.044



79, 9.529, 249.873



61, 40.124, 155.097



41, 6.538, 250.157



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



51, 24.806, 257.044



62, 35.960, 260.362



39, 47.225, 295.034



33, 2.927, 249.096



34, 40.841, 275.754



2, 4.749, 254.026

Inverse Universe

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



45, 41.494, 345.133



55, 59.749, 346.684



64, 41.789, 102.220



32, 4.620, 340.921



31, 56.883, 355.150



1, 6.860, 342.963

Previews

White Background



This preview shows how the CIE LCh color 51, 24.807, 257.044 looks on a white background.

Color Contrast Check

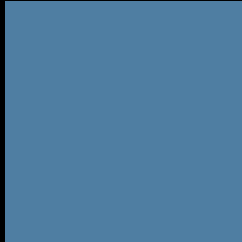
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.807, 257.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

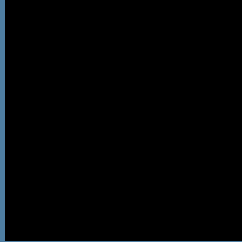
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

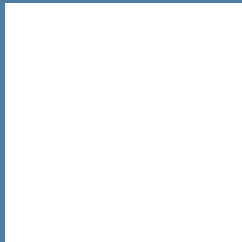
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 24.807, 257.044

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.807, 257.044.

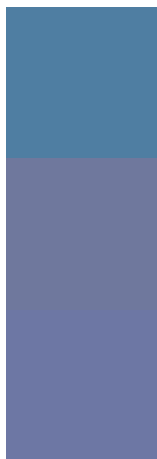


This preview shows how white text looks on a background with the CIELCh color 51, 24.807, 257.044.

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, 24.807, 257.044

Protanopia

51, 21.704, 284.662

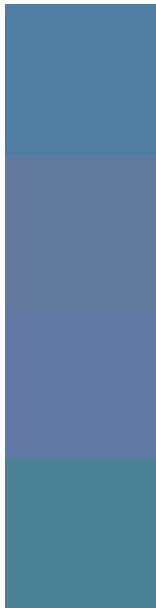
Deuteranopia

51, 26.354, 286.185



Tritanopia
51, 19.758, 216.767

Trichromacy



Original Color
51, 24.807, 257.044

Protanomaly
51, 22.577, 273.117

Deuteranomaly
51, 24.813, 274.799

Tritanomaly
51, 20.362, 233.225

Monochromacy



Original Color
51, 24.807, 257.044

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 9.726, 250.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.807, 257.044 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(79, 126, 162)` looks like.

```
.text, #text, p{  
    color:rgb(79, 126, 162)  
}
```

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(79, 126, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 126, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.807, 257.044 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(79, 126, 162) }
```

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

```
.border{ border-color:rgb(79, 126, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 126, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 126, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 126, 162);  
box-shadow:4px 4px 4px 4px rgb(79, 126,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.807, 257.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 126, 162) }
```

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

```
.background{ background-color: rgb(79, 126,  
162) }
```

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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