

Converting Colors

CIELCh(51, 24.438, 277.303)

Have a look what the booklet for
CIELCh(51, 24.438, 277.303)
contains.

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Color

CIELCh(51, 24.581, 276.849)

Conversions

Conversions Part 1

Format	Color
Hex	657AA3
RGB	101, 122, 163
RGB Percent	40%, 48%, 64%
CMY	0.6046, 0.5223, 0.3615
CMYK	0.38, 0.25, 0.00, 0.36
HSL	220°, 25%, 52%
HSV	220°, 38%, 64%
XYZ	18.8776, 19.2686, 37.2851
YIQ	120.3950, -25.6770, 8.2990

Conversions

Conversions Part 2

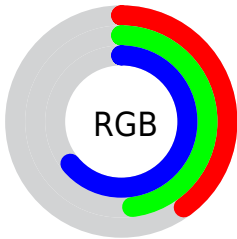
Format	Color
R_{YB}	101, 117, 163
Decimal	6650531
CIE _{Lab}	51.00, 2.93, -24.41
CIE _{LCh}	51, 24.581, 276.849
Yxy	19.2686, 0.2503, 0.2554
Android (android.graphics.Color)	4284840611 (0xFF657AA3)
YUV	120.3950, 21.0043, -17.0094
Hunter-Lab	43.8960, -0.0536, -19.6335

Details

The CIELCh color $51, 24.581, 276.849$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 24.824, 85.810$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 24.667, 277.225$, and $31, 24.320, 276.008$ is the 20% darker color. If you saturate the color by 10%, you get $47, 31.288, 279.152$, and if you desaturate by 10%, it is $55, 17.987, 274.872$.

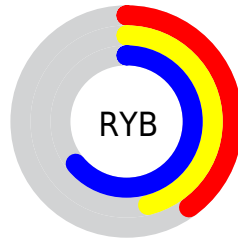
Distribution



Red (40%)

Green (48%)

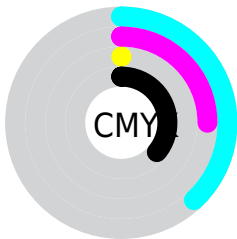
Blue (64%)



Red (40%)

Yellow (46%)

Blue (64%)

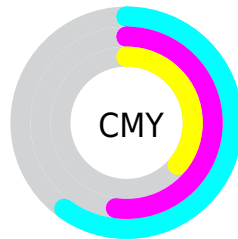


Cyan (38%)

Magenta (25%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 24.581, 276.849 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, 24.581, 276.849 by changing the saturation by 10% instead.

■ 51, 24.581,
276.849

■ 51, 24.581,
276.849

■ 100, 24.581,
276.849

■ 41, 24.581,
276.849

■ 71, 24.581,
276.849

■ 31, 24.581,
276.849

■ 81, 24.581,
276.849

■ 21, 24.581,
276.849

■ 91, 24.581,
276.849

■ 11, 24.581,
276.849

■ 1, 24.581, 276.849

■ 0, 24.581, 276.849

■ 51, 24.581,
276.849

■ 51, 24.581,
276.849

■ 47, 31.288,
279.152

■ 55, 17.987,
274.872

■ 43, 38.132,
281.814

■ 59, 11.497,
273.183

■ 39, 45.143,
284.842

■ 64, 5.102, 271.750

■ 35, 52.346,
288.196

■ 68, 1.198, 90.280

■ 32, 59.727,
291.768

■ 72, 7.401, 89.342

■ 28, 67.187,
295.314

■ 76, 13.507, 88.409

■ 28, 68.623,
295.934

■ 80, 19.514, 87.585

■ 84, 25.421, 86.855

■ 88, 31.227, 86.206

Harmonies

Complementary

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



51, 24.581, 276.849



60, 24.824, 85.810

Rectangle

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



51, 24.581, 276.849



51, 24.581, 326.849



51, 24.581, 96.849



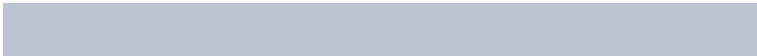
51, 24.581, 146.849

Sweetspot

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



51, 24.580, 276.848



79, 8.621, 272.171



62, 25.596, 168.764



41, 5.844, 272.350



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, 24.580, 276.848



61, 37.027, 278.853



46, 37.077, 299.689



32, 3.583, 271.907



25, 62.512, 295.571



2, 5.736, 273.182

Inverse Universe

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



50, 27.927, 357.645



60, 41.869, 359.092



65, 33.873, 113.277



32, 3.998, 354.120



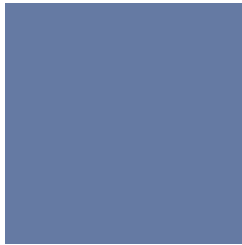
30, 56.488, 16.359



1, 6.013, 355.479

Previews

White Background



This preview shows how the CIE LCh color 51, 24.581, 276.849 looks on a white background.

Color Contrast Check

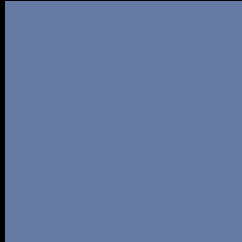
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.581, 276.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

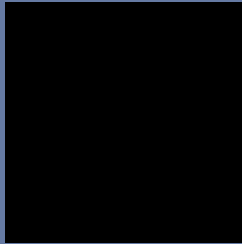
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

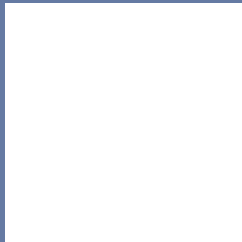
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 24.581, 276.849

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.581, 276.849.



This preview shows how white text looks on a background with the CIELCh color 51, 24.581, 276.849.

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, 24.581, 276.849

Protanopia

51, 24.029, 285.058

Deuteranopia

51, 25.781, 285.926



Tritanopia
51, 12.946, 225.278

Trichromacy



Original Color
51, 24.581, 276.849

Protanomaly
51, 24.173, 281.962

Deuteranomaly
51, 25.338, 282.726

Tritanomaly
51, 15.514, 251.251

Monochromacy



Original Color
51, 24.581, 276.849

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 9.182, 272.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.581, 276.849 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(101, 122, 163)` looks like.

```
.text, #text, p{  
    color:rgb(101, 122, 163)  
}
```

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(101, 122, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 122, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.581, 276.849 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(101, 122, 163) }
```

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

```
.border{ border-color:rgb(101, 122, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 122, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 122, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 122, 163);  
box-shadow:4px 4px 4px 4px rgb(101, 122,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.581, 276.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 122, 163) }
```

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

```
.background{ background-color: rgb(101,  
122, 163) }
```

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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