

Converting Colors

CIELCh(51, 11.239, 276.656)

Have a look what the booklet for
CIELCh(51, 11.239, 276.656)
contains.

CIELCh(51, 10.824, 275.614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 10.824, 275.614)

Conversions

Conversions Part 1

Format	Color
Hex	727A8C
RGB	114, 122, 140
RGB Percent	45%, 48%, 55%
CMY	0.5543, 0.5229, 0.4524
CMYK	0.19, 0.13, 0.00, 0.45
HSL	222°, 10%, 50%
HSV	222°, 19%, 55%
XYZ	18.5164, 19.2686, 27.4138
YIQ	121.6600, -10.5460, 3.9020

Conversions

Conversions Part 2

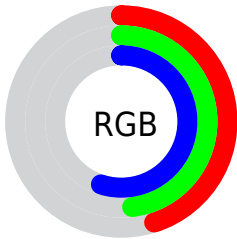
Format	Color
R_{YB}	114, 120, 140
Decimal	7502476
CIE _{Lab}	51.00, 1.06, -10.77
CIE _{LCh}	51, 10.824, 275.614
Yxy	19.2686, 0.2840, 0.2955
Android (android.graphics.Color)	4285692556 (0xFF727A8C)
YUV	121.6600, 9.0416, -6.7178
Hunter-Lab	43.8960, -1.5223, -6.3004

Details

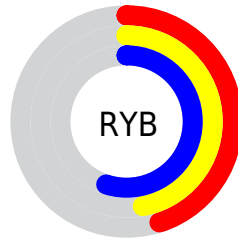
The CIELCh color $51, 10.824, 275.614$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 10.806, 90.856$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 11.217, 276.658$, and $31, 11.085, 277.864$ is the 20% darker color. If you saturate the color by 10%, you get $47, 16.790, 277.254$, and if you desaturate by 10%, it is $55, 4.966, 274.209$.

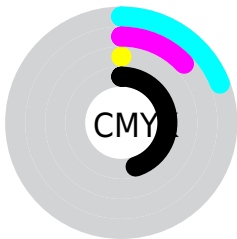
Distribution



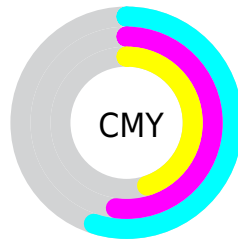
- Red (45%)
- Green (48%)
- Blue (55%)



- Red (45%)
- Yellow (47%)
- Blue (55%)



- Cyan (19%)
- Magenta (13%)
- Yellow (0%)
- Black (45%)





- Cyan (55%)
- Magenta (52%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 10.824, 275.614 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, 10.824, 275.614 by changing the saturation by 10% instead.


 51, 10.824,
275.614


 51, 10.824,
275.614


 100, 10.824,
275.614


 41, 10.824,
275.614


 71, 10.824,
275.614

 31, 10.824,
275.614

 81, 10.824,
275.614

 21, 10.824,
275.614

 91, 10.824,
275.614

 11, 10.824,
275.614

 1, 10.824, 275.614

 0, 10.824, 275.614

■ 51, 10.824,
275.614

■ 51, 10.824,
275.614

■ 47, 16.790,
277.254

■ 55, 4.966, 274.209

■ 43, 22.877,
279.172

■ 59, 0.785, 92.730

■ 40, 29.096,
281.400

■ 62, 6.432, 91.858

■ 36, 35.468,
283.964

■ 70, 17.419, 90.132

■ 32, 42.018,
286.868

■ 74, 22.760, 89.414

■ 29, 48.753,
290.069

■ 77, 28.000, 88.775

■ 26, 55.635,
293.456

■ 81, 33.142, 88.203

■ 23, 62.537,

■ 85, 38.186, 87.689

296.744

■ 22, 63.490,
297.153

Harmonies

Complementary

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



51, 10.824, 275.614



55, 10.806, 90.856

Rectangle

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



51, 10.824, 275.614



51, 10.824, 325.614



51, 10.824, 95.614



51, 10.824, 145.614

Sweetspot

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



51, 10.823, 275.610



71, 4.270, 273.902



56, 11.084, 173.138



37, 2.855, 273.968



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 10.823, 275.610



63, 15.869, 276.214



49, 15.424, 298.765



27, 3.218, 274.277



21, 60.843, 296.976



0, 1.483, 273.113

Inverse Universe

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



51, 11.592, 357.206



63, 17.049, 357.651



57, 14.835, 116.085



27, 3.414, 356.193



27, 53.329, 18.679



0, 1.557, 355.416

Previews

White Background



This preview shows how the CIELCh color 51, 10.824, 275.614 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, 10.824, 275.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

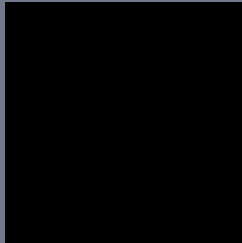
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

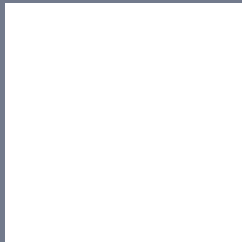
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 10.824, 275.614

Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.824, 275.614.



This preview shows how white text looks on a background with the CIELCh color 51, 10.824, 275.614.

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, 10.824, 275.614

Protanopia

51, 11.100, 287.724

Deuteranopia

51, 13.094, 301.759



Tritanopia
51, 7.072, 254.874

Trichromacy



Original Color
51, 10.824, 275.614

Protanomaly
51, 10.618, 281.394

Deuteranomaly
51, 12.282, 293.489

Tritanomaly
51, 7.852, 262.415

Monochromacy



Original Color
51, 10.824, 275.614

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.229, 274.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 10.824, 275.614 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, 122, 140)` looks like.

```
.text, #text, p{  
    color:rgb(114, 122, 140)  
}
```

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, 122, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 122, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 10.824, 275.614 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, 122, 140) }
```

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

```
.border{ border-color:rgb(114, 122, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 122, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 122, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 122, 140);  
box-shadow:4px 4px 4px 4px rgb(114, 122,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 10.824, 275.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 122, 140) }
```

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

```
.background{ background-color: rgb(114,  
122, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor