

Converting Colors

CIELCh(48, 19.020, 277.749)

Have a look what the booklet for
CIELCh(48, 19.020, 277.749)
contains.

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Color

CIELCh(48, 18.751, 277.472)

Conversions

Conversions Part 1

Format	Color
Hex	647291
RGB	100, 114, 145
RGB Percent	39%, 45%, 57%
CMY	0.6078, 0.5529, 0.4313
CMYK	0.31, 0.21, 0.00, 0.43
HSL	221°, 18%, 48%
HSV	221°, 31%, 57%
XYZ	16.3897, 16.7945, 29.1742
YIQ	113.3480, -18.2950, 6.6730

Conversions

Conversions Part 2

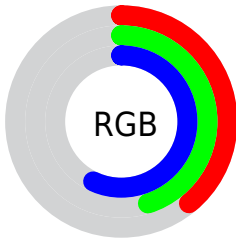
Format	Color
R_{YB}	100, 111, 145
Decimal	6582929
CIE _{Lab}	48.00, 2.44, -18.59
CIE _{LCh}	48, 18.751, 277.472
Yxy	16.7945, 0.2628, 0.2693
Android (android.graphics.Color)	4284773009 (0xFF647291)
YUV	113.3480, 15.6044, -11.7062
Hunter-Lab	40.9810, -0.3288, -13.5215

Details

The CIELCh color $48, 18.751, 277.472$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 18.721, 89.022$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 18.649, 277.236$, and $28, 18.646, 277.213$ is the 20% darker color. If you saturate the color by 10%, you get $44, 25.030, 279.475$, and if you desaturate by 10%, it is $52, 12.593, 275.752$.

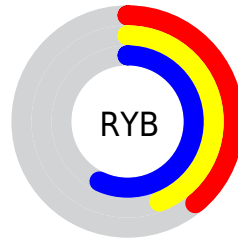
Distribution



Red (39%)

Green (45%)

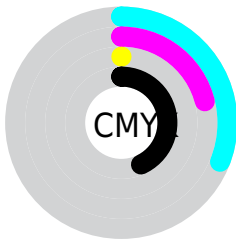
Blue (57%)



Red (39%)

Yellow (44%)

Blue (57%)

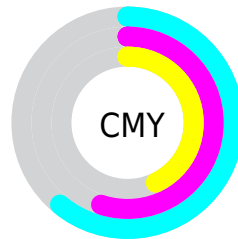


Cyan (31%)

Magenta (21%)

Yellow (0%)

Black (43%)



Cyan (61%)

Magenta (55%)

Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 18.751, 277.472 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 48, 18.751, 277.472 by changing the saturation by 10% instead.

 48, 18.751,
277.472


 48, 18.751,
277.472


 100, 18.751,
277.472

 38, 18.751,
277.472

 68, 18.751,
277.472

 28, 18.751,
277.472

 78, 18.751,
277.472

 18, 18.751,
277.472


 88, 18.751,
277.472

 8, 18.751, 277.472

 98, 18.751,
277.472

 0, 18.751, 277.472

 48, 18.751,

 48, 18.751,

277.472

277.472

■ 44, 25.030,
279.475

■ 52, 12.593,
275.752

■ 40, 31.449,
281.800

■ 56, 6.548, 274.284

■ 36, 38.029,
284.470

■ 60, 0.612, 273.271

■ 64, 5.219, 91.840

■ 33, 44.794,
287.477

■ 68, 10.945, 90.895

■ 29, 51.747,
290.764

■ 71, 16.567, 90.056

■ 75, 22.086, 89.315

■ 26, 58.827,
294.200

■ 79, 27.501, 88.655

■ 23, 65.170,
297.103

■ 83, 32.816, 88.066

Harmonies

Complementary

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



48, 18.751, 277.472



55, 18.721, 89.022

Rectangle

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



48, 18.751, 277.472



48, 18.751, 327.472



48, 18.751, 97.472



48, 18.751, 147.472

Sweetspot

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



48, 18.750, 277.471



72, 6.614, 274.040



57, 18.749, 171.834



37, 4.586, 274.213



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 18.750, 277.471



59, 27.891, 278.788



45, 27.154, 299.944



28, 3.305, 274.037



22, 61.497, 296.868



1, 2.217, 272.863

Inverse Universe

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



47, 20.344, 358.517



58, 30.283, 359.486



58, 25.357, 115.224



28, 3.525, 355.973



28, 54.026, 18.495



0, 2.340, 355.191

Previews

White Background



This preview shows how the CIELCh color 48, 18.751, 277.472 looks on a white 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

Black Background



This preview shows how the CIE LCh color 48, 18.751, 277.472 looks on a black 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

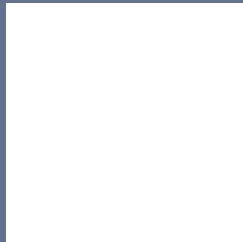
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 18.751, 277.472

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.751, 277.472.

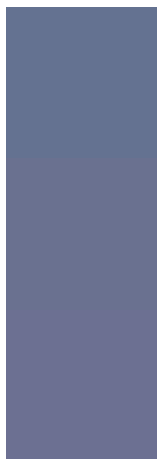


This preview shows how white text looks on a background with the CIELCh color 48, 18.751, 277.472.

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


48, 18.751, 277.472

Protanopia

48, 18.376, 284.792

Deuteranopia

48, 20.072, 288.761



Tritanopia
48, 9.621, 236.745

Trichromacy



Original Color
48, 18.751, 277.472

Protanomaly
48, 18.464, 282.652

Deuteranomaly
48, 19.575, 284.459

Tritanomaly
48, 12.441, 257.965

Monochromacy



Original Color
48, 18.751, 277.472

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.303, 275.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.751, 277.472 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(100, 114, 145)` looks like.

```
.text, #text, p{  
    color:rgb(100, 114, 145)  
}
```

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(100, 114, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 114, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.751, 277.472 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(100, 114, 145) }
```

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

```
.border{ border-color:rgb(100, 114, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 114, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 114, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 114, 145);  
box-shadow:4px 4px 4px 4px rgb(100, 114,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.751, 277.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 114, 145) }
```

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

```
.background{ background-color: rgb(100,  
114, 145) }
```

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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