

Converting Colors

CIELCh(48, 18.522, 225.830)

Have a look what the booklet for
CIELCh(48, 18.522, 225.830)
contains.

CIELCh(48, 18.607, 226.522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 18.607, 226.522)

Conversions

Conversions Part 1

Format	Color
Hex	467988
RGB	70, 121, 136
RGB Percent	27%, 47%, 53%
CMY	0.7250, 0.5250, 0.4661
CMYK	0.48, 0.11, 0.00, 0.47
HSL	194°, 32%, 40%
HSV	194°, 48%, 53%
XYZ	13.8417, 16.7945, 25.8538
YIQ	107.4610, -35.2110, -6.1470

Conversions

Conversions Part 2

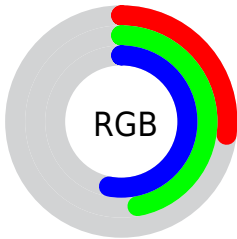
Format	Color
R_{YB}	70, 99, 136
Decimal	4618632
CIE _{Lab}	48.00, -12.80, -13.50
CIE _{LCh}	48, 18.607, 226.522
Yxy	16.7945, 0.2450, 0.2973
Android (android.graphics.Color)	4282808712 (0xFF467988)
YUV	107.4610, 14.0697, -32.8533
Hunter-Lab	40.9810, -11.4271, -8.7177

Details

The CIELCh color `48, 18.607, 226.522` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `42, 26.174, 42.172`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 18.650, 226.650`, and `28, 18.525, 226.943` is the 20% darker color. If you saturate the color by 10%, you get `46, 21.365, 228.145`, and if you desaturate by 10%, it is `50, 15.407, 225.265`.

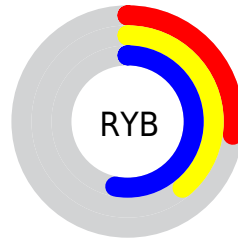
Distribution



Red (27%)

Green (47%)

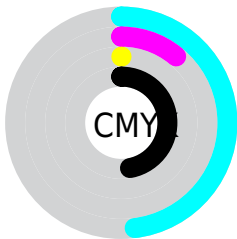
Blue (53%)



Red (27%)

Yellow (39%)

Blue (53%)

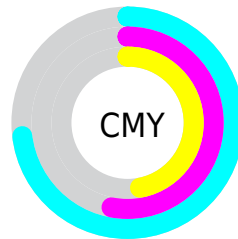


Cyan (48%)

Magenta (11%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (53%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 18.607, 226.522 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, 18.607, 226.522 by changing the saturation by 10% instead.


 48, 18.607,
226.522


 48, 18.607,
226.522


 100, 18.607,
226.522


 38, 18.607,
226.522

 68, 18.607,
226.522


 28, 18.607,
226.522

 78, 18.607,
226.522

 18, 18.607,
226.522


 88, 18.607,
226.522

 8, 18.607, 226.522

 98, 18.607,
226.522

 0, 18.607, 226.522

 48, 18.607,

 48, 18.607,

226.522

■ 46, 21.365,
228.145

■ 45, 23.644,
230.219

■ 44, 25.432,
232.823

■ 42, 26.758,
236.029

■ 41, 27.778,
239.719

■ 41, 27.939,
240.270

226.522

■ 50, 15.407,
225.265

■ 51, 11.819,
224.311

■ 53, 7.904, 223.605

■ 55, 3.720, 223.128

■ 57, 0.678, 42.040

■ 59, 5.242, 42.289

■ 61, 9.931, 42.147

■ 63, 14.710, 42.053

■ 65, 19.552, 42.008

Harmonies

Complementary

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



48, 18.607, 226.522



42, 26.174, 42.172

Rectangle

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



48, 18.607, 226.522



48, 18.607, 276.522



48, 18.607, 46.522



48, 18.607, 96.522

Sweetspot

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



48, 18.607, 226.520



68, 7.978, 223.428



51, 39.333, 146.990



35, 5.459, 223.528



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 18.607, 226.520



59, 26.022, 228.288



38, 29.360, 283.020



28, 2.494, 223.152



40, 27.400, 240.152



1, 1.183, 222.702

Inverse Universe

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



40, 39.090, 334.733



47, 56.194, 335.559



50, 28.659, 88.918



27, 4.644, 332.032



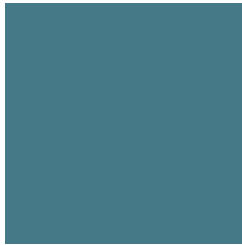
29, 59.958, 339.473



0, 2.141, 331.498

Previews

White Background



This preview shows how the CIE LCh color 48, 18.607, 226.522 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, 18.607, 226.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

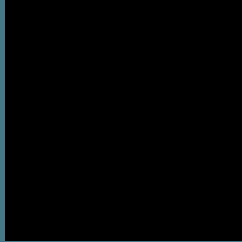
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

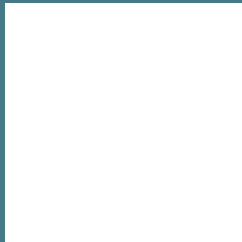
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 18.607, 226.522

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.607, 226.522.



This preview shows how white text looks on a background with the CIELCh color 48, 18.607, 226.522.

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, 18.607, 226.522

Protanopia

48, 10.072, 285.034

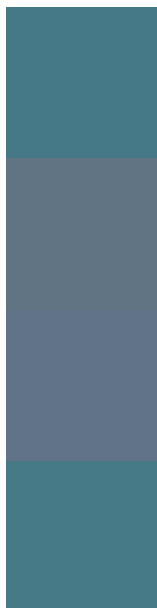
Deuteranopia

48, 15.970, 293.615



Tritanopia
48, 18.403, 216.545

Trichromacy



Original Color
48, 18.607, 226.522

Protanomaly
48, 11.715, 252.958

Deuteranomaly
48, 14.278, 265.070

Tritanomaly
48, 18.616, 220.276

Monochromacy



Original Color
48, 18.607, 226.522

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.761, 221.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.607, 226.522 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(70, 121, 136)` looks like.

```
.text, #text, p{  
    color:rgb(70, 121, 136)  
}
```

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(70, 121, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 121, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.607, 226.522 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(70, 121, 136) }
```

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

```
.border{ border-color:rgb(70, 121, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 121, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 121, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 121, 136);  
box-shadow:4px 4px 4px 4px rgb(70, 121,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.607, 226.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 121, 136) }
```

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

```
.background{ background-color: rgb(70, 121,  
136) }
```

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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