

Converting Colors

CIELCh(48, 27.457, 233.990)

Have a look what the booklet for
CIELCh(48, 27.457, 233.990)
contains.

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Color

CIELCh(48, 27.571, 234.738)

Conversions

Conversions Part 1

Format	Color
Hex	217B97
RGB	33, 123, 151
RGB Percent	13%, 48%, 59%
CMY	0.8691, 0.5167, 0.4069
CMYK	0.78, 0.19, 0.00, 0.41
HSL	194°, 64%, 36%
HSV	194°, 78%, 59%
XYZ	13.3559, 16.7945, 31.9172
YIQ	99.2820, -62.6280, -10.3720

Conversions

Conversions Part 2

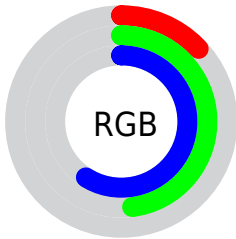
Format	Color
R_{YB}	33, 84, 151
Decimal	2194327
CIE _{Lab}	48.00, -15.92, -22.51
CIE _{LCh}	48, 27.571, 234.738
Yxy	16.7945, 0.2152, 0.2706
Android (android.graphics.Color)	4280384407 (0xFF217B97)
YUV	99.2820, 25.4970, -58.1293
Hunter-Lab	40.9810, -13.5430, -17.4900

Details

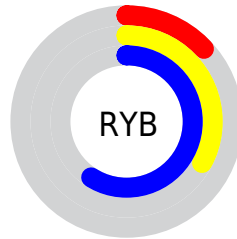
The CIELCh color **48, 27.571, 234.738** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 50.428, 44.363**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 27.484, 233.789**, and **29, 22.907, 245.275** is the 20% darker color. If you saturate the color by 10%, you get **47, 29.076, 238.126**, and if you desaturate by 10%, it is **50, 25.576, 231.977**.

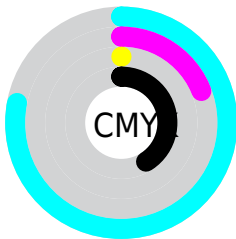
Distribution



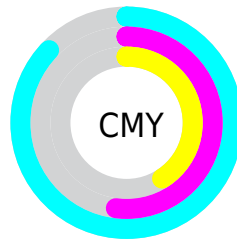
- Red (13%)
- Green (48%)
- Blue (59%)



- Red (13%)
- Yellow (33%)
- Blue (59%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)
- Black (41%)



- Cyan (87%)
- Magenta (52%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.571, 234.738 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, 27.571, 234.738 by changing the saturation by 10% instead.

 48, 27.571,
234.738


 48, 27.571,
234.738

 100, 27.571,
234.738


 38, 27.571,
234.738

 68, 27.571,
234.738


 28, 27.571,
234.738

 78, 27.571,
234.738

 18, 27.571,
234.738

 88, 27.571,
234.738

 8, 27.571, 234.738

 98, 27.571,
234.738

 0, 27.571, 234.738

 48, 27.571,

 48, 27.571,

234.738

234.738

■ 47, 29.076,
238.126

■ 50, 25.576,
231.977

■ 45, 30.236,
242.076

■ 51, 23.059,
229.774

■ 45, 30.481,
242.889

■ 53, 20.029,
228.042

■ 55, 16.525,
226.701

■ 57, 12.606,
225.676

■ 59, 8.336, 224.910

■ 61, 3.779, 224.388

■ 63, 1.005, 43.414

■ 65, 5.966, 43.464

Harmonies

Complementary

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



48, 27.571, 234.738



38, 50.428, 44.363

Rectangle

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



48, 27.571, 234.738



48, 27.571, 284.738



48, 27.571, 54.738



48, 27.571, 104.738

Sweetspot

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



48, 27.570, 234.738



73, 13.023, 225.304



55, 63.582, 143.267



38, 8.992, 225.579



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 27.570, 234.738



59, 36.372, 241.284



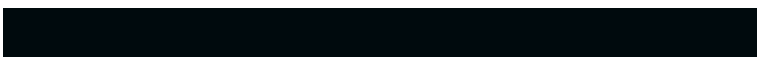
30, 54.851, 292.483



31, 2.712, 224.439



42, 28.808, 242.561



2, 2.981, 225.481

Inverse Universe

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



36, 60.677, 337.746



45, 78.645, 339.792



52, 49.144, 86.024



30, 5.033, 332.426



31, 61.942, 340.198



1, 5.355, 332.352

Previews

White Background



This preview shows how the CIE LCh color 48, 27.571, 234.738 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, 27.571, 234.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

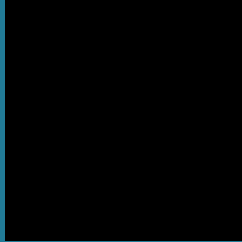
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 27.571, 234.738

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.571, 234.738.

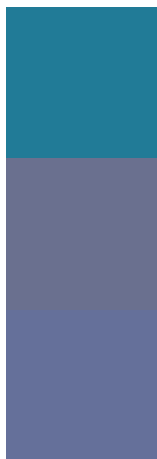


This preview shows how white text looks on a background with the CIELCh color 48, 27.571, 234.738.

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, 27.571, 234.738

Protanopia
48, 18.369, 285.903

Deuteranopia
48, 24.927, 284.876



Tritanopia
48, 27.876, 209.102

Trichromacy



Original Color
48, 27.571, 234.738

Protanomaly
47, 20.767, 257.977

Deuteranomaly
47, 24.561, 262.456

Tritanomaly
48, 27.282, 218.825

Monochromacy



Original Color
48, 27.571, 234.738

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 13.027, 228.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.571, 234.738 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(33, 123, 151)` looks like.

```
.text, #text, p{  
    color:rgb(33, 123, 151)  
}
```

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(33, 123, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 123, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.571, 234.738 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(33, 123, 151) }
```

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

```
.border{ border-color:rgb(33, 123, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 123, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 123, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 123, 151);  
box-shadow:4px 4px 4px 4px rgb(33, 123,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.571, 234.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 123, 151) }
```

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

```
.background{ background-color: rgb(33, 123,  
151) }
```

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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