

Converting Colors

CIELCh(48, 21.426, 213.516)

Have a look what the booklet for
CIELCh(48, 21.426, 213.516)
contains.

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Color

CIELCh(48, 21.426, 213.516)

Conversions

Conversions Part 1

Format	Color
Hex	397B85
RGB	57, 123, 133
RGB Percent	22%, 48%, 52%
CMY	0.7756, 0.5168, 0.4776
CMYK	0.57, 0.08, 0.00, 0.48
HSL	188°, 40%, 37%
HSV	188°, 57%, 52%
XYZ	13.0581, 16.7945, 24.8213
YIQ	104.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

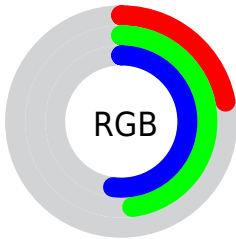
Format	Color
RYB	57, 92, 133
Decimal	3767173
CIELab	48.00, -17.86, -11.83
CIElCh	48, 21.426, 213.516
Yxy	16.7945, 0.2388, 0.3072
Android (android.graphics.Color)	4281957253 (0xFF397B85)
YUV	104.4060, 14.0968, -41.5751
Hunter-Lab	40.9810, -14.8400, -7.2238




Details

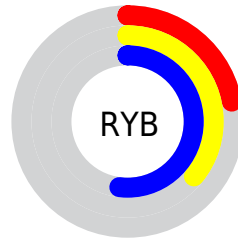
The CIELCh color **48, 21.426, 213.516** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 33.120, 34.815**, and the grayscale version is **44, 0.006, 296.813**.




A 20% lighter version of the original color is **68, 21.538, 212.753**, and **28, 19.765, 216.173** is the 20% darker color. If you saturate the color by 10%, you get **47, 23.648, 214.474**, and if you desaturate by 10%, it is **49, 18.651, 212.821**.

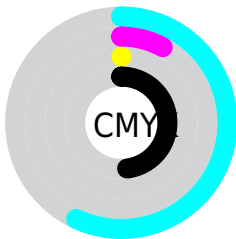
Distribution







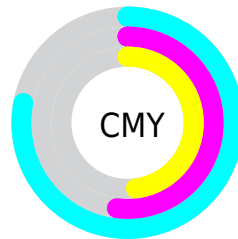
-  Red (22%)
-  Green (48%)
-  Blue (52%)






-  Red (22%)
-  Yellow (36%)
-  Blue (52%)



-  Cyan (57%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (48%)





-  Cyan (78%)
-  Magenta (52%)
-  Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 21.426, 213.516 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, 21.426, 213.516 by changing the saturation by 10% instead.


 48, 21.426,
213.516


 48, 21.426,
213.516


 100, 21.426,
213.516


 38, 21.426,
213.516

 68, 21.426,
213.516


 28, 21.426,
213.516

 78, 21.426,
213.516

 18, 21.426,
213.516

 88, 21.426,
213.516

 8, 21.426, 213.516

 98, 21.426,
213.516

 0, 21.426, 213.516

 48, 21.426,

 48, 21.426,

213.516

■ 47, 23.648,
214.474

■ 46, 25.288,
215.750

■ 45, 26.349,
217.393

■ 45, 26.935,
219.392

■ 44, 27.094,
219.991

213.516

■ 49, 18.651,
212.821

■ 50, 15.376,
212.350

■ 52, 11.667,
212.063

■ 53, 7.592, 211.931

■ 55, 3.221, 211.968

■ 56, 1.385, 31.599

■ 58, 6.169, 31.956

■ 59, 11.084, 32.165

■ 61, 16.092, 32.397

Harmonies

Complementary

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



48, 21.426, 213.516



37, 33.120, 34.815

Rectangle

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



48, 21.426, 213.516



48, 21.426, 263.516



48, 21.426, 33.516



48, 21.426, 83.516

Sweetspot

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



48, 21.426, 213.514



68, 9.387, 211.933



50, 48.208, 142.866



35, 6.221, 211.945



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 21.426, 213.514



60, 29.247, 214.761



37, 29.781, 277.725



27, 2.558, 211.939



43, 26.631, 219.929



0, 0.627, 211.889

Inverse Universe

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



37, 47.257, 331.581



44, 66.773, 332.305



46, 31.086, 79.463



26, 4.815, 328.743



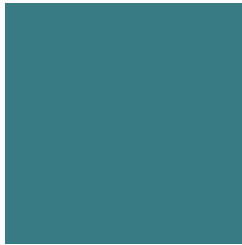
29, 63.443, 334.075



0, 1.146, 328.250

Previews

White Background



This preview shows how the CIELCh color 48, 21.426, 213.516 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 CIELCh color 48, 21.426, 213.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

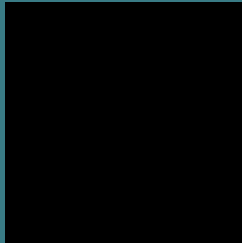
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 21.426, 213.516

Background



This preview shows how black text looks on a background with the CIELCh color 48, 21.426, 213.516.

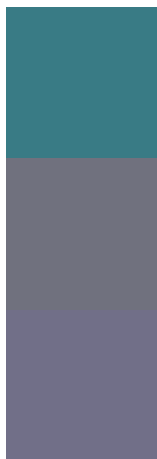


This preview shows how white text looks on a background with the CIELCh color 48, 21.426, 213.516.

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, 21.426, 213.516

Protanopia

48, 7.675, 288.322

Deuteranopia

48, 14.811, 295.021



Tritanopia
48, 21.426, 213.516

Trichromacy



Original Color
48, 21.426, 213.516

Protanomaly
48, 11.335, 237.540

Deuteranomaly
47, 13.927, 257.438

Tritanomaly
48, 21.426, 213.516

Monochromacy



Original Color
48, 21.426, 213.516

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 9.247, 209.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 21.426, 213.516 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(57, 123, 133)` looks like.

```
.text, #text, p{  
    color:rgb(57, 123, 133)  
}
```

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(57, 123, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 123, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 21.426, 213.516 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(57, 123, 133) }
```

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

```
.border{ border-color:rgb(57, 123, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 123, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 123, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 123, 133);  
box-shadow:4px 4px 4px 4px rgb(57, 123,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 21.426, 213.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 123, 133) }
```

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

```
.background{ background-color: rgb(57, 123,  
133) }
```

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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