

Converting Colors

CIELCh(48, 14.438, 204.970)

Have a look what the booklet for
CIELCh(48, 14.438, 204.970)
contains.

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Color

CIELCh(48, 14.449, 204.998)

Conversions

Conversions Part 1

Format	Color
Hex	51797C
RGB	81, 121, 124
RGB Percent	32%, 47%, 49%
CMY	0.6834, 0.5265, 0.5148
CMYK	0.35, 0.02, 0.00, 0.51
HSL	184°, 21%, 40%
HSV	184°, 35%, 49%
XYZ	13.7955, 16.7945, 21.4930
YIQ	109.3820, -24.8030, -7.5470

Conversions

Conversions Part 2

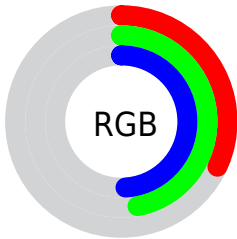
Format	Color
R_{YB}	81, 102, 124
Decimal	5339516
CIE _{Lab}	48.00, -13.10, -6.11
CIE _{LCh}	48, 14.449, 204.998
Yxy	16.7945, 0.2649, 0.3225
Android (android.graphics.Color)	4283529596 (0xFF51797C)
YUV	109.3820, 7.2067, -24.8910
Hunter-Lab	40.9810, -11.6279, -2.4086

Details

The CIELCh color **48, 14.449, 204.998** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 18.340, 27.592**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 14.359, 204.917**, and **28, 14.399, 205.125** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.803, 205.003**, and if you desaturate by 10%, it is **49, 10.680, 205.097**.

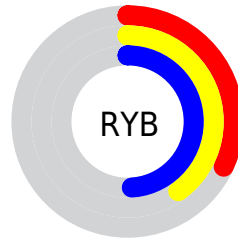
Distribution



Red (32%)

Green (47%)

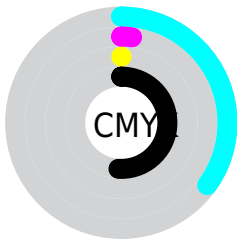
Blue (49%)



Red (32%)

Yellow (40%)

Blue (49%)

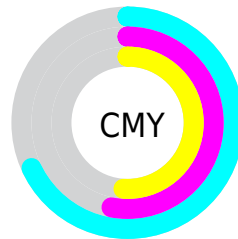


Cyan (35%)

Magenta (2%)

Yellow (0%)

Black (51%)



Cyan (68%)

Magenta (53%)

Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 14.449, 204.998 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, 14.449, 204.998 by changing the saturation by 10% instead.

 48, 14.449,
204.998


 48, 14.449,
204.998


 100, 14.449,
204.998

 38, 14.449,
204.998

 68, 14.449,
204.998


 28, 14.449,
204.998

 78, 14.449,
204.998

 18, 14.449,
204.998


 88, 14.449,
204.998

 8, 14.449, 204.998

 98, 14.449,
204.998

 0, 14.449, 204.998

 48, 14.449,

 48, 14.449,

204.998

204.998

■ 47, 17.803,
205.003

■ 49, 10.680,
205.097

■ 46, 20.675,
205.141

■ 50, 6.563, 205.302

■ 46, 23.012,
205.429

■ 51, 2.167, 205.675

■ 53, 2.446, 25.645

■ 45, 24.779,
205.888

■ 54, 7.221, 26.104

■ 44, 25.969,
206.541

■ 55, 12.111, 26.512

■ 57, 17.078, 26.931

■ 44, 26.633,
207.394

■ 58, 22.090, 27.362

■ 44, 26.918,
207.860

■ 60, 27.122, 27.800

Harmonies

Complementary

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



48, 14.449, 204.998



40, 18.340, 27.592

Rectangle

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



48, 14.449, 204.998



48, 14.449, 254.998



48, 14.449, 24.998



48, 14.449, 74.998

Sweetspot

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



48, 14.449, 204.994



65, 5.576, 205.433



48, 29.378, 143.844



34, 3.823, 205.396



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 14.449, 204.994



60, 20.860, 204.993



41, 15.921, 267.741



25, 2.522, 205.474



44, 27.107, 207.873



85, 45.459, 208.553

Inverse Universe

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



40, 29.312, 328.260



49, 43.518, 328.700



46, 16.826, 77.926



24, 4.701, 326.839



28, 64.620, 331.112



59, 108.470, 331.279

Previews

White Background



This preview shows how the CIELCh color 48, 14.449, 204.998 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, 14.449, 204.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

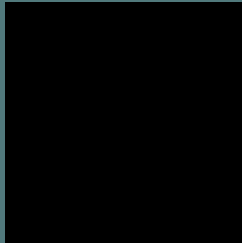
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 14.449, 204.998

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.449, 204.998.



This preview shows how white text looks on a background with the CIELCh color 48, 14.449, 204.998.

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, 14.449, 204.998

Protanopia

48, 3.572, 297.057

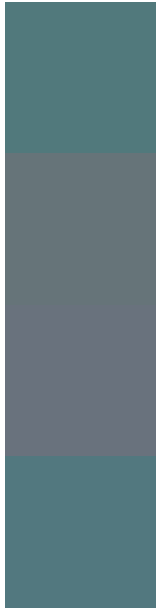
Deuteranopia

48, 10.140, 311.736



Tritanopia
48, 14.260, 220.118

Trichromacy



Original Color
48, 14.449, 204.998

Protanomaly
48, 6.083, 228.031

Deuteranomaly
48, 7.271, 262.811

Tritanomaly
48, 14.020, 215.312

Monochromacy



Original Color
48, 14.449, 204.998

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.515, 205.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.449, 204.998 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(81, 121, 124)` looks like.

```
.text, #text, p{  
    color:rgb(81, 121, 124)  
}
```

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(81, 121, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 121, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.449, 204.998 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(81, 121, 124) }
```

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

```
.border{ border-color:rgb(81, 121, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 121, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 121, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 121, 124);  
box-shadow:4px 4px 4px 4px rgb(81, 121,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.449, 204.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 121, 124) }
```

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

```
.background{ background-color: rgb(81, 121,  
124) }
```

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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