

Converting Colors

CIELCh(48, 17.354, 209.924)

Have a look what the booklet for
CIELCh(48, 17.354, 209.924)
contains.

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Color

CIELCh(48, 17.393, 209.514)

Conversions

Conversions Part 1

Format	Color
Hex	487A80
RGB	72, 122, 128
RGB Percent	28%, 48%, 50%
CMY	0.7184, 0.5223, 0.4988
CMYK	0.44, 0.05, 0.00, 0.50
HSL	186°, 28%, 39%
HSV	186°, 44%, 50%
XYZ	13.4766, 16.7945, 22.8855
YIQ	107.7340, -31.7260, -8.7340

Conversions

Conversions Part 2

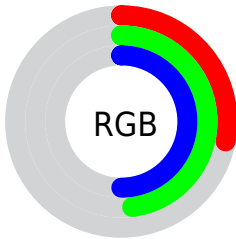
Format	Color
R_{YB}	72, 98, 128
Decimal	4749952
CIE _{Lab}	48.00, -15.14, -8.57
CIE _{LCh}	48, 17.393, 209.514
Yxy	16.7945, 0.2535, 0.3159
Android (android.graphics.Color)	4282940032 (0xFF487A80)
YUV	107.7340, 9.9911, -31.3387
Hunter-Lab	40.9810, -13.0170, -4.4233

Details

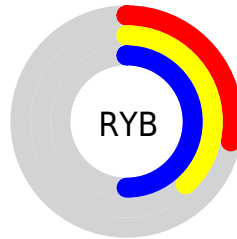
The CIELCh color **48, 17.393, 209.514** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 23.851, 31.470**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 17.473, 209.038**, and **28, 17.297, 210.120** is the 20% darker color. If you saturate the color by 10%, you get **47, 20.290, 209.922**, and if you desaturate by 10%, it is **49, 14.021, 209.275**.

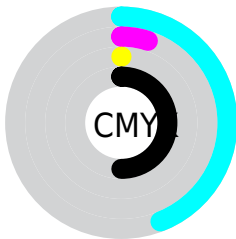
Distribution



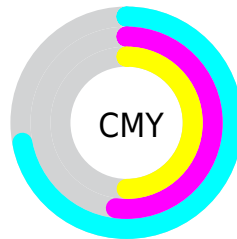
- Red (28%)
- Green (48%)
- Blue (50%)



- Red (28%)
- Yellow (38%)
- Blue (50%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)




- Cyan (72%)
- Magenta (52%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 17.393, 209.514 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, 17.393, 209.514 by changing the saturation by 10% instead.

 48, 17.393,
209.514


 48, 17.393,
209.514


 100, 17.393,
209.514


 38, 17.393,
209.514

 68, 17.393,
209.514


 28, 17.393,
209.514

 78, 17.393,
209.514

 18, 17.393,
209.514


 88, 17.393,
209.514

 8, 17.393, 209.514

 98, 17.393,
209.514

 0, 17.393, 209.514

 48, 17.393,

 48, 17.393,

209.514

209.514

■ 47, 20.290,
209.922

■ 49, 14.021,
209.275

■ 46, 22.657,
210.541

■ 50, 10.242,
209.184

■ 45, 24.455,
211.404

■ 52, 6.125, 209.224

■ 45, 25.675,
212.551

■ 53, 1.734, 209.494

■ 54, 2.868, 29.300

■ 44, 26.352,
214.011

■ 56, 7.629, 29.620

■ 44, 26.669,
214.968

■ 58, 12.506, 29.914

■ 59, 17.460, 30.227

■ 61, 22.462, 30.558

Harmonies

Complementary

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



48, 17.393, 209.514



39, 23.851, 31.470

Rectangle

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



48, 17.393, 209.514



48, 17.393, 259.514



48, 17.393, 29.514



48, 17.393, 79.514

Sweetspot

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



48, 17.393, 209.511



66, 7.138, 209.230



49, 36.922, 143.903



34, 5.007, 209.210



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 17.393, 209.511



60, 24.659, 209.943



40, 21.505, 272.843



26, 2.525, 209.296



44, 26.624, 214.963



0, 0.000, 0.000

Inverse Universe

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



39, 36.670, 329.959



47, 53.796, 330.536



46, 22.556, 79.822



25, 4.740, 327.968



29, 63.724, 332.850



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 48, 17.393, 209.514 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, 17.393, 209.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

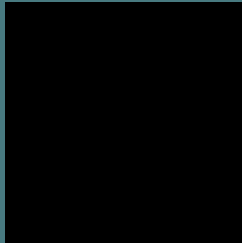
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 17.393, 209.514

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.393, 209.514.



This preview shows how white text looks on a background with the CIELCh color 48, 17.393, 209.514.

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](#).

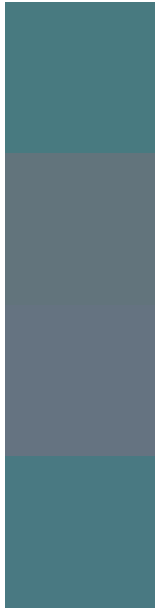
Dichromacy





Tritanopia
48, 17.124, 218.150

Trichromacy



Original Color
48, 17.393, 209.514

Protanomaly
48, 8.157, 234.354

Deuteranomaly
48, 9.637, 258.447

Tritanomaly
48, 17.023, 216.131

Monochromacy



Original Color
48, 17.393, 209.514

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.044, 208.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.393, 209.514 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(72, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(72, 122, 128)  
}
```

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(72, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 122, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.393, 209.514 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(72, 122, 128) }
```

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

```
.border{ border-color:rgb(72, 122, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(72, 122,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.393, 209.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 122, 128) }
```

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

```
.background{ background-color: rgb(72, 122,  
128) }
```

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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