

Converting Colors

CIELCh(48, 17.961, 195.797)

Have a look what the booklet for
CIELCh(48, 17.961, 195.797)
contains.

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Color

CIELCh(48, 17.605, 197.547)

Conversions

Conversions Part 1

Format	Color
Hex	487A7A
RGB	72, 122, 122
RGB Percent	28%, 48%, 48%
CMY	0.7165, 0.5204, 0.5204
CMYK	0.41, 0.00, 0.00, 0.52
HSL	180°, 26%, 38%
HSV	180°, 41%, 48%
XYZ	13.2224, 16.7945, 21.0540
YIQ	107.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

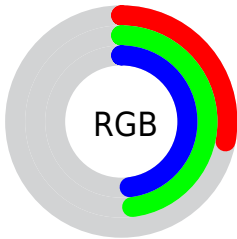
Format	Color
R_{YB}	72, 97, 122
Decimal	4749946
CIE _{Lab}	48.00, -16.79, -5.31
CIE _{LCh}	48, 17.605, 197.547
Yxy	16.7945, 0.2589, 0.3288
Android (android.graphics.Color)	4282940026 (0xFF487A7A)
YUV	107.0500, 7.3704, -30.7388
Hunter-Lab	40.9810, -14.1243, -1.7736

Details

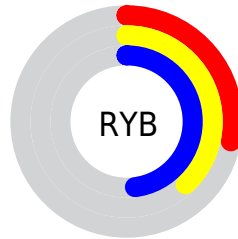
The CIELCh color **48, 17.605, 197.547** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 23.206, 23.164**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 17.644, 196.167**, and **28, 17.610, 196.771** is the 20% darker color. If you saturate the color by 10%, you get **47, 20.885, 197.205**, and if you desaturate by 10%, it is **49, 13.850, 197.941**.

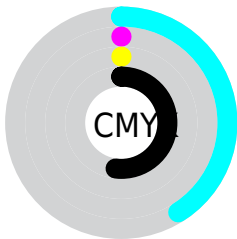
Distribution



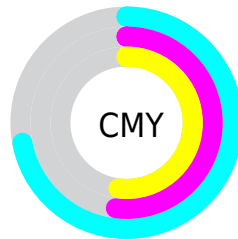
- Red (28%)
- Green (48%)
- Blue (48%)



- Red (28%)
- Yellow (38%)
- Blue (48%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.605, 197.547 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, 17.605, 197.547 by changing the saturation by 10% instead.

 48, 17.605,
197.547


 48, 17.605,
197.547


 100, 17.605,
197.547


 38, 17.605,
197.547

 68, 17.605,
197.547


 28, 17.605,
197.547

 78, 17.605,
197.547

 18, 17.605,
197.547


 88, 17.605,
197.547

 8, 17.605, 197.547

 98, 17.605,
197.547

 0, 17.605, 197.547

 48, 17.605,

 48, 17.605,

197.547

197.547

■ 47, 20.885,
197.205

■ 49, 13.850,
197.941

■ 47, 23.633,
196.924

■ 49, 9.688, 198.392

■ 47, 25.811,
196.705

■ 50, 5.191, 198.909

■ 51, 0.431, 200.247

■ 46, 27.405,
196.546

■ 52, 4.529, 19.816

■ 46, 28.435,
196.443

■ 53, 9.629, 20.430

■ 55, 14.821, 21.029

■ 46, 29.095,
196.377

■ 56, 20.066, 21.631

■ 57, 25.330, 22.235

Harmonies

Complementary

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



48, 17.605, 197.547



37, 23.206, 23.164

Rectangle

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



48, 17.605, 197.547



48, 17.605, 247.547



48, 17.605, 17.547



48, 17.605, 67.547

Sweetspot

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



48, 17.605, 197.544



64, 7.036, 198.831



47, 35.484, 141.129



33, 4.630, 198.779



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 17.605, 197.544



61, 24.906, 197.227



41, 16.846, 260.215



25, 2.700, 199.015



47, 29.546, 196.377



90, 49.737, 196.377

Inverse Universe

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



37, 23.206, 23.164



44, 35.293, 24.725



43, 19.059, 68.830



24, 2.851, 19.865



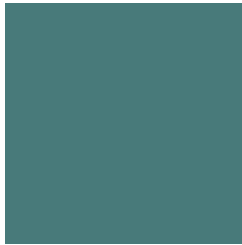
25, 60.074, 38.171



53, 103.779, 39.998

Previews

White Background



This preview shows how the CIELCh color 48, 17.605, 197.547 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, 17.605, 197.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

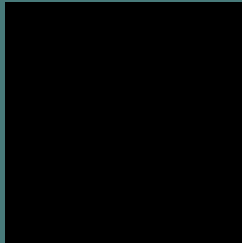
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 17.605, 197.547

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.605, 197.547.



This preview shows how white text looks on a background with the CIELCh color 48, 17.605, 197.547.

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, 17.605, 197.547

Protanopia

48, 2.404, 300.103

Deuteranopia

48, 9.592, 312.957



Tritanopia
48, 16.597, 218.871

Trichromacy



Original Color
48, 17.605, 197.547

Protanomaly
48, 6.746, 214.043

Deuteranomaly
47, 7.371, 252.630

Tritanomaly
48, 16.607, 212.304

Monochromacy



Original Color
48, 17.605, 197.547

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 7.400, 198.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.605, 197.547 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, 122)` looks like.

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

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, 122) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 48, 17.605, 197.547 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, 122) }
```

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

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

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, 122)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 48, 17.605, 197.547 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, 122) }
```

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

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

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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