

Converting Colors

CIELCh(48, 15.412, 168.547)

Have a look what the booklet for
CIELCh(48, 15.412, 168.547)
contains.

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Color

CIELCh(48, 15.432, 167.924)

Conversions

Conversions Part 1

Format	Color
Hex	57796C
RGB	87, 121, 108
RGB Percent	34%, 47%, 42%
CMY	0.6587, 0.5253, 0.5763
CMYK	0.28, 0.00, 0.11, 0.53
HSL	157°, 16%, 41%
HSV	157°, 28%, 47%
XYZ	13.4837, 16.7945, 16.7277
YIQ	109.3520, -16.0910, -11.2510

Conversions

Conversions Part 2

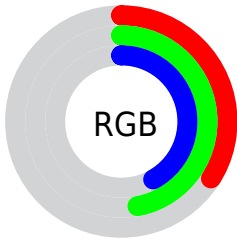
Format	Color
R_{YB}	87, 108, 121
Decimal	5732716
CIE Lab	48.00, -15.09, 3.23
CIE LCh	48, 15.432, 167.924
Yxy	16.7945, 0.2869, 0.3573
Android (android.graphics.Color)	4283922796 (0xFF57796C)
YUV	109.3520, -0.6665, -19.6027
Hunter-Lab	40.9810, -12.9862, 4.4856

Details

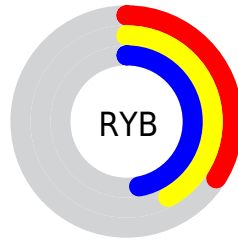
The CIELCh color $48, 15.432, 167.924$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 16.339, 353.257$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 15.174, 167.575$, and $28, 15.117, 168.893$ is the 20% darker color. If you saturate the color by 10%, you get $47, 20.647, 166.820$, and if you desaturate by 10%, it is $49, 10.026, 168.932$.

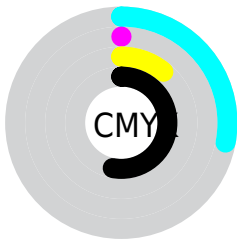
Distribution



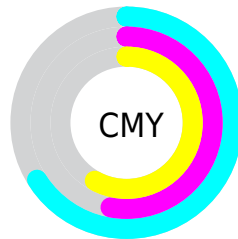
- Red (34%)
- Green (47%)
- Blue (42%)



- Red (34%)
- Yellow (42%)
- Blue (47%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)





- Cyan (66%)
- Magenta (53%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 15.432, 167.924 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, 15.432, 167.924 by changing the saturation by 10% instead.


 48, 15.432,
167.924


 48, 15.432,
167.924


 100, 15.432,
167.924


 38, 15.432,
167.924

 68, 15.432,
167.924


 28, 15.432,
167.924

 78, 15.432,
167.924

 18, 15.432,
167.924


 88, 15.432,
167.924

 8, 15.432, 167.924

 98, 15.432,
167.924

 0, 15.432, 167.924

 48, 15.432,

 48, 15.432,

167.924

167.924

■ 47, 20.647,
166.820

■ 49, 10.026,
168.932

■ 46, 25.584,
165.603

■ 50, 4.504, 169.886

■ 46, 30.158,
164.248

■ 51, 1.067, 350.375

■ 52, 6.632, 351.409

■ 45, 34.294,
162.734

■ 54, 12.149,
352.171

■ 45, 37.935,
161.041

■ 55, 17.585,
352.877

■ 45, 41.057,
159.156

■ 56, 22.917,
353.542

■ 45, 43.781,
157.172

■ 58, 28.131,
354.174

■ 45, 44.298,
156.817

■ 60, 33.218,

Harmonies

Complementary

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



48, 15.432, 167.924



41, 16.339, 353.257

Rectangle

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



48, 15.432, 167.924



48, 15.432, 217.924



48, 15.432, 347.924



48, 15.432, 37.924

Sweetspot

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



48, 15.433, 167.922



64, 5.540, 169.876



48, 21.720, 131.823



33, 3.914, 169.754



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, 15.433, 167.922



61, 23.044, 167.189



47, 11.304, 210.312



25, 3.163, 169.792



46, 45.387, 156.736



88, 78.226, 155.427

Inverse Universe

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



41, 16.339, 353.257



50, 24.741, 354.098



42, 13.647, 31.127



24, 3.223, 351.244



25, 49.976, 11.420



54, 84.724, 14.520

Previews

White Background



This preview shows how the CIELCh color 48, 15.432, 167.924 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, 15.432, 167.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

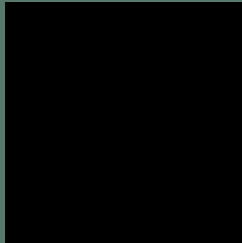
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 15.432, 167.924

Background



This preview shows how black text looks on a background with the CIELCh color 48, 15.432, 167.924.

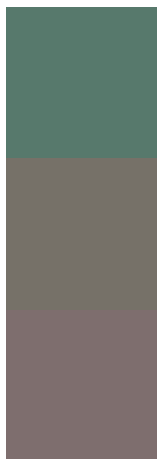


This preview shows how white text looks on a background with the CIELCh color 48, 15.432, 167.924.

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, 15.432, 167.924

Protanopia

48, 5.682, 87.725

Deuteranopia

48, 6.675, 20.149



Tritanopia
48, 11.301, 230.162

Trichromacy



Original Color
48, 15.432, 167.924

Protanomaly
48, 7.485, 138.949

Deuteranomaly
48, 3.058, 125.318

Tritanomaly
48, 10.878, 204.534

Monochromacy



Original Color
48, 15.432, 167.924

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.407, 172.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 15.432, 167.924 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(87, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(87, 121, 108)  
}
```

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(87, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 121, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 15.432, 167.924 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(87, 121, 108) }
```

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

```
.border{ border-color:rgb(87, 121, 108) }
```

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

Here you see how a box with a 4 pixel rgb(87, 121, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(87, 121,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 15.432, 167.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 121, 108) }
```

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

```
.background{ background-color: rgb(87, 121,  
108) }
```

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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