

Converting Colors

CIELCh(48, 16.434, 338.735)

Have a look what the booklet for
CIELCh(48, 16.434, 338.735)
contains.

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Color

CIELCh(48, 16.434, 338.735)

Conversions

Conversions Part 1

Format	Color
Hex	87697C
RGB	135, 105, 124
RGB Percent	53%, 41%, 49%
CMY	0.4695, 0.5872, 0.5126
CMYK	0.00, 0.22, 0.08, 0.47
HSL	322°, 12%, 47%
HSV	322°, 22%, 53%
XYZ	18.7716, 16.7945, 21.4125
YIQ	116.1360, 11.7810, 12.2690

Conversions

Conversions Part 2

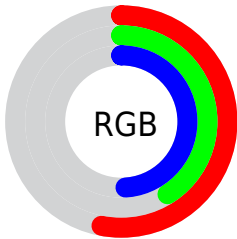
Format	Color
R_{YB}	135, 105, 124
Decimal	8874364
CIE Lab	48.00, 15.32, -5.96
CIE LCh	48, 16.434, 338.735
Yxy	16.7945, 0.3294, 0.2948
Android (android.graphics.Color)	4287064444 (0xFF87697C)
YUV	116.1360, 3.8770, 16.5437
Hunter-Lab	40.9810, 10.0459, -2.2921

Details

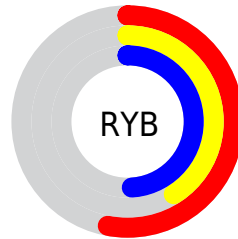
The CIELCh color $48, 16.434, 338.735$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $54, 16.218, 155.410$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 16.991, 338.256$, and $28, 16.038, 339.567$ is the 20% darker color. If you saturate the color by 10%, you get $44, 23.876, 339.576$, and if you desaturate by 10%, it is $52, 8.968, 337.953$.

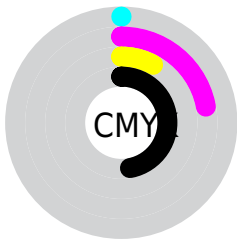
Distribution



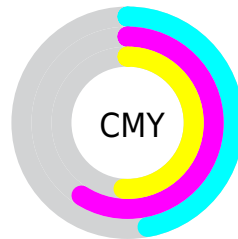
- Red (53%)
- Green (41%)
- Blue (49%)



- Red (53%)
- Yellow (41%)
- Blue (49%)



- Cyan (0%)
- Magenta (22%)
- Yellow (8%)
- Black (47%)





- Cyan (47%)
- Magenta (59%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 16.434, 338.735 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, 16.434, 338.735 by changing the saturation by 10% instead.


 48, 16.434,
338.735


 48, 16.434,
338.735


 100, 16.434,
338.735


 38, 16.434,
338.735

 68, 16.434,
338.735


 28, 16.434,
338.735

 78, 16.434,
338.735

 18, 16.434,
338.735


 88, 16.434,
338.735

 8, 16.434, 338.735

 98, 16.434,
338.735

 0, 16.434, 338.735

 48, 16.434,

 48, 16.434,

338.735

44, 23.876,
339.576

41, 31.133,
340.495

38, 37.967,
341.516

35, 44.074,
342.677

33, 49.105,
344.030

31, 52.735,
345.650

30, 54.757,
347.630

29, 55.713,
349.341

338.735

52, 8.968, 337.953

56, 1.596, 337.099

59, 5.618, 156.649

63, 12.636,
155.999

67, 19.442,
155.407

71, 26.033,
154.855

75, 32.414,
154.339

79, 38.595,
153.854

83, 44.588,

Harmonies

Complementary

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



48, 16.434, 338.735



54, 16.218, 155.410

Rectangle

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



48, 16.434, 338.735



48, 16.434, 28.735



48, 16.434, 158.735



48, 16.434, 208.735

Sweetspot

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



48, 16.432, 338.736



68, 6.360, 337.566



47, 18.382, 305.505



36, 4.166, 337.603



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 16.432, 338.736



59, 24.827, 339.183



48, 12.847, 10.541



27, 4.204, 337.722



28, 54.931, 349.286



0, 1.935, 337.113

Inverse Universe

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



48, 16.432, 338.736



59, 24.827, 339.183



54, 11.566, 186.710



27, 4.204, 337.722



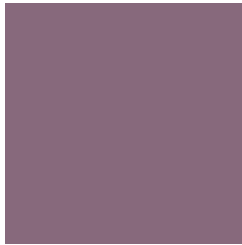
28, 54.931, 349.286



0, 1.935, 337.113

Previews

White Background



This preview shows how the CIELCh color 48, 16.434, 338.735 looks on a white background.

Color Contrast Check

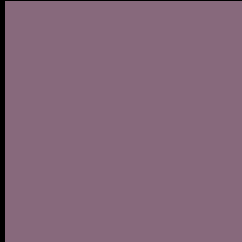
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.434, 338.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

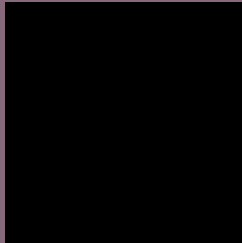
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 16.434, 338.735

Background



This preview shows how black text looks on a background with the CIELCh color 48, 16.434, 338.735.



This preview shows how white text looks on a background with the CIELCh color 48, 16.434, 338.735.

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, 16.434, 338.735

Protanopia

48, 9.441, 289.118

Deuteranopia

48, 8.159, 320.203



Tritanopia
48, 12.101, 358.176

Trichromacy



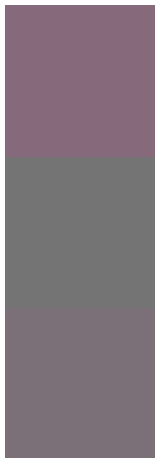
Original Color
48, 16.434, 338.735

Protanomaly
48, 10.829, 312.627

Deuteranomaly
48, 10.731, 330.493

Tritanomaly
48, 13.448, 349.575

Monochromacy



Original Color
48, 16.434, 338.735

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 6.086, 337.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 16.434, 338.735 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(135, 105, 124)` looks like.

```
.text, #text, p{  
    color:rgb(135, 105, 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(135, 105, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 105, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 16.434, 338.735 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(135, 105, 124) }
```

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

```
.border{ border-color:rgb(135, 105, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 105, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 105, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 105, 124);  
box-shadow:4px 4px 4px 4px rgb(135, 105,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 16.434, 338.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 105, 124) }
```

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

```
.background{ background-color: rgb(135,  
105, 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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