

Converting Colors

CIELCh(48, 13.500, 354.580)

Have a look what the booklet for
CIELCh(48, 13.500, 354.580)
contains.

CIELCh(48, 13.305, 355.002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 13.305, 355.002)

Conversions

Conversions Part 1

Format	Color
Hex	876A74
RGB	135, 106, 116
RGB Percent	53%, 42%, 45%
CMY	0.4696, 0.5834, 0.5442
CMYK	0.00, 0.21, 0.14, 0.47
HSL	339°, 12%, 47%
HSV	339°, 21%, 53%
XYZ	18.3758, 16.7945, 18.8687
YIQ	115.8110, 14.0740, 9.2580

Conversions

Conversions Part 2

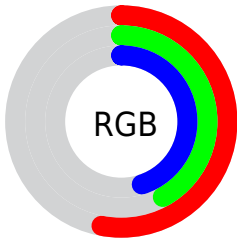
Format	Color
R_{YB}	135, 106, 116
Decimal	8874612
CIE _{Lab}	48.00, 13.25, -1.16
CIE _{LCh}	48, 13.305, 355.002
Yxy	16.7945, 0.3400, 0.3108
Android (android.graphics.Color)	4287064692 (0xFF876A74)
YUV	115.8110, 0.0932, 16.8288
Hunter-Lab	40.9810, 8.3223, 1.3882

Details

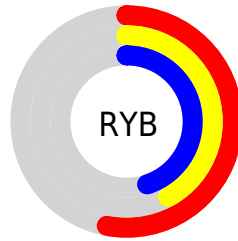
The CIELCh color $48, 13.305, 355.002$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $54, 12.645, 170.986$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 13.708, 354.622$, and $28, 13.081, 355.809$ is the 20% darker color. If you saturate the color by 10%, you get $44, 19.752, 356.225$, and if you desaturate by 10%, it is $52, 6.987, 353.934$.

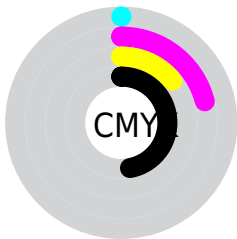
Distribution



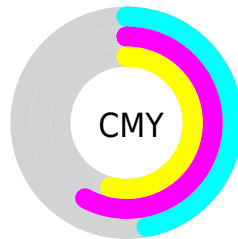
- Red (53%)
- Green (42%)
- Blue (45%)



- Red (53%)
- Yellow (42%)
- Blue (45%)



- Cyan (0%)
- Magenta (21%)
- Yellow (14%)
- Black (47%)





- Cyan (47%)
- Magenta (58%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.305, 355.002 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, 13.305, 355.002 by changing the saturation by 10% instead.


 48, 13.305,
355.002


 48, 13.305,
355.002


 100, 13.305,
355.002


 38, 13.305,
355.002

 68, 13.305,
355.002


 28, 13.305,
355.002

 78, 13.305,
355.002

 18, 13.305,
355.002


 88, 13.305,
355.002

 8, 13.305, 355.002

 98, 13.305,
355.002

 0, 13.305, 355.002

 48, 13.305,

 48, 13.305,

355.002

355.002

44, 19.752,
356.225

52, 6.987, 353.934

41, 26.218,
357.655

56, 0.871, 352.666

60, 5.013, 172.313

37, 32.522,
359.370

64, 10.654,
171.539

34, 38.423, 1.473

68, 16.055,
170.860

32, 43.635, 4.097

72, 21.230,
170.244

30, 47.896, 7.401

29, 51.082, 11.532

76, 26.193,
169.680

28, 53.434, 15.407

80, 30.961,
169.161

84, 35.552,

Harmonies

Complementary

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



48, 13.305, 355.002



54, 12.645, 170.986

Rectangle

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



48, 13.305, 355.002



48, 13.305, 45.002



48, 13.305, 175.002



48, 13.305, 225.002

Sweetspot

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



48, 13.303, 355.006



69, 4.498, 353.387



48, 18.685, 315.006



36, 3.010, 353.445



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, 13.303, 355.006



59, 20.133, 355.609



49, 10.845, 34.042



27, 3.481, 353.702



27, 52.656, 15.293



0, 1.590, 352.933

Inverse Universe

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



48, 13.303, 355.006



59, 20.133, 355.609



53, 9.422, 214.133



27, 3.481, 353.702



27, 52.656, 15.293



0, 1.590, 352.933

Previews

White Background



This preview shows how the CIELCh color 48, 13.305, 355.002 looks on a white background.

Color Contrast Check

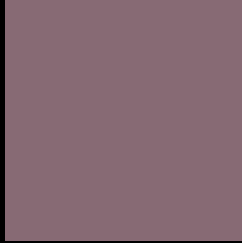
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.305, 355.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

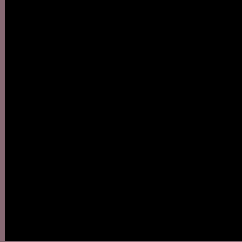
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.305, 355.002

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.305, 355.002.



This preview shows how white text looks on a background with the CIELCh color 48, 13.305, 355.002.

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, 13.305, 355.002

Protanopia

48, 4.746, 295.592

Deuteranopia

48, 5.834, 356.329



Tritanopia
48, 13.091, 357.352

Trichromacy



Original Color
48, 13.305, 355.002

Protanomaly
48, 6.504, 333.743

Deuteranomaly
48, 8.582, 356.231

Tritanomaly
48, 13.091, 357.352

Monochromacy



Original Color
48, 13.305, 355.002

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 5.081, 352.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.305, 355.002 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, 106, 116)` looks like.

```
.text, #text, p{  
    color:rgb(135, 106, 116)  
}
```

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, 106, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 106, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.305, 355.002 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, 106, 116) }
```

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

```
.border{ border-color:rgb(135, 106, 116) }
```

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

Here you see how a box with a 4 pixel rgb(135, 106, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 106, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 106, 116);  
box-shadow:4px 4px 4px 4px rgb(135, 106,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.305, 355.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 106, 116) }
```

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

```
.background{ background-color: rgb(135,  
106, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor