

Converting Colors

CIELCh(44, 16.642, 167.723)

Have a look what the booklet for
CIELCh(44, 16.642, 167.723)
contains.

CIELCh(44, 16.249, 168.832)	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(44, 16.249, 168.832)

Conversions

Conversions Part 1

Format	Color
Hex	4B6F62
RGB	75, 111, 98
RGB Percent	29%, 44%, 38%
CMY	0.7046, 0.5634, 0.6144
CMYK	0.32, 0.00, 0.12, 0.56
HSL	158°, 19%, 37%
HSV	158°, 32%, 44%
XYZ	10.8674, 13.8382, 13.7337
YIQ	98.7540, -17.2830, -11.6750

Conversions

Conversions Part 2

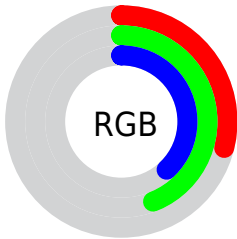
Format	Color
RYB	75, 97, 111
Decimal	4943714
CIELab	44.00, -15.94, 3.15
CIELCh	44, 16.249, 168.832
Yxy	13.8382, 0.2827, 0.3600
Android (android.graphics.Color)	4283133794 (0xFF4B6F62)
YUV	98.7540, -0.3717, -20.8323
Hunter-Lab	37.1997, -12.9530, 4.1507

Details

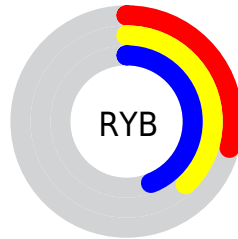
The CIELCh color $44, 16.249, 168.832$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 17.451, 355.140$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 16.242, 169.228$, and $24, 16.151, 169.751$ is the 20% darker color. If you saturate the color by 10%, you get $43, 20.928, 167.698$, and if you desaturate by 10%, it is $45, 11.355, 169.866$.

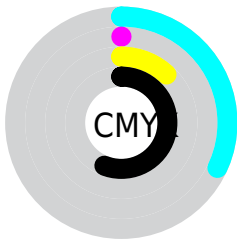
Distribution



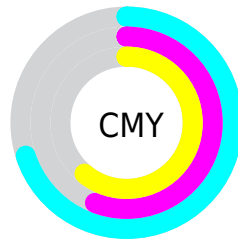
- Red (29%)
- Green (44%)
- Blue (38%)



- Red (29%)
- Yellow (38%)
- Blue (44%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (56%)




- Cyan (70%)
- Magenta (56%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 16.249, 168.832 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 44, 16.249, 168.832 by changing the saturation by 10% instead.


 44, 16.249,
168.832


 44, 16.249,
168.832


 100, 16.249,
168.832


 34, 16.249,
168.832

 64, 16.249,
168.832


 24, 16.249,
168.832

 74, 16.249,
168.832

 14, 16.249,
168.832


 84, 16.249,
168.832

 4, 16.249, 168.832

 94, 16.249,
168.832

 0, 16.249, 168.832

 44, 16.249,

 44, 16.249,

168.832

168.832

■ 43, 20.928,
167.698

■ 45, 11.355,
169.866

■ 43, 25.312,
166.448

■ 46, 6.317, 170.832

■ 42, 29.328,
165.059

■ 47, 1.201, 171.906

■ 48, 3.937, 352.399

■ 42, 32.912,
163.509

■ 49, 9.054, 353.207

■ 41, 36.024,
161.780

■ 50, 14.116,
353.941

■ 41, 38.661,
159.868

■ 52, 19.098,
354.631

■ 41, 40.562,
158.449

■ 53, 23.982,
355.286

■ 54, 28.757,
355.911

Harmonies

Complementary

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



44, 16.249, 168.832



36, 17.451, 355.140

Rectangle

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



44, 16.249, 168.832



44, 16.249, 218.832



44, 16.249, 348.832



44, 16.249, 38.832

Sweetspot

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



44, 16.250, 168.830



59, 6.373, 171.028



44, 23.440, 132.174



31, 4.380, 170.925



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 16.250, 168.830



56, 24.085, 167.967



43, 11.824, 212.386



23, 2.900, 171.148



44, 42.897, 158.252



87, 75.045, 156.875

Inverse Universe

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



36, 17.451, 355.140



45, 26.316, 356.183



37, 14.712, 32.850



22, 2.959, 352.583



24, 48.674, 13.143



52, 83.957, 16.506

Previews

White Background



This preview shows how the CIELCh color 44, 16.249, 168.832 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 44, 16.249, 168.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

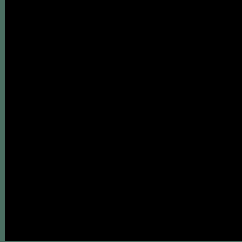
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

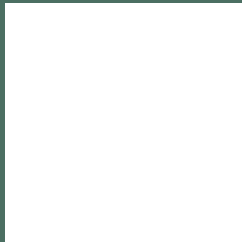
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 16.249, 168.832

Background



This preview shows how black text looks on a background with the CIELCh color 44, 16.249, 168.832.



This preview shows how white text looks on a background with the CIELCh color 44, 16.249, 168.832.

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


44, 16.249, 168.832

Protanopia

44, 5.779, 87.608

Deuteranopia

44, 6.372, 14.818



Tritanopia
44, 11.829, 222.346

Trichromacy



Original Color
44, 16.249, 168.832

Protanomaly
44, 7.327, 143.944

Deuteranomaly
44, 2.708, 137.185

Tritanomaly
44, 12.050, 198.038

Monochromacy



Original Color
44, 16.249, 168.832

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.854, 174.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 16.249, 168.832 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(75, 111, 98)` looks like.

```
.text, #text, p{  
    color:rgb(75, 111, 98)  
}
```

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(75, 111, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 111, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 16.249, 168.832 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(75, 111, 98) }
```

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

```
.border{ border-color:rgb(75, 111, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 111, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 111, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 111, 98);  
box-shadow:4px 4px 4px 4px rgb(75, 111,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 16.249, 168.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 111, 98) }
```

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

```
.background{ background-color: rgb(75, 111,  
98) }
```

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