

Converting Colors

CIELCh(45, 44.251, 16.718)

Have a look what the booklet for
CIELCh(45, 44.251, 16.718) contains.

CIELCh(45, 44.016, 17.184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 44.016, 17.184)

Conversions

Conversions Part 1

Format	Color
Hex	AE4A57
RGB	174, 74, 87
RGB Percent	68%, 29%, 34%
CMY	0.3183, 0.7104, 0.6594
CMYK	0.00, 0.58, 0.50, 0.32
HSL	352°, 40%, 49%
HSV	352°, 58%, 68%
XYZ	21.5701, 14.5417, 10.6565
YIQ	105.3820, 55.4270, 25.2430

Conversions

Conversions Part 2

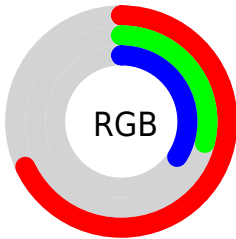
Format	Color
RYB	174, 74, 87
Decimal	11422295
CIELab	45.00, 42.05, 13.00
CIElCh	45, 44.016, 17.184
Yxy	14.5417, 0.4612, 0.3109
Android (android.graphics.Color)	4289612375 (0xFFAE4A57)
YUV	105.3820, -9.0623, 60.1780
Hunter-Lab	38.1336, 34.2339, 10.1248

Details

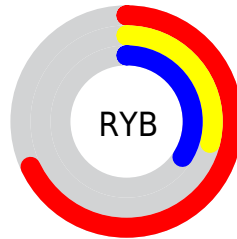
The CIELCh color **45, 44.016, 17.184** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **65, 32.320, 183.710**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 44.090, 16.775**, and **25, 43.974, 17.298** is the 20% darker color. If you saturate the color by 10%, you get **42, 51.866, 20.142**, and if you desaturate by 10%, it is **49, 35.894, 14.851**.

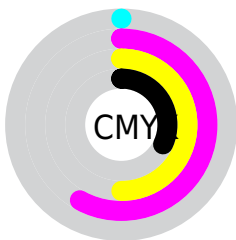
Distribution



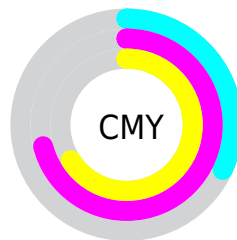
- Red (68%)
- Green (29%)
- Blue (34%)



- Red (68%)
- Yellow (29%)
- Blue (34%)



- Cyan (0%)
- Magenta (58%)
- Yellow (50%)
- Black (32%)





















- Cyan (32%)
- Magenta (71%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 44.016, 17.184 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 45, 44.016, 17.184 by changing the saturation by 10% instead.

 45, 44.016, 17.184	 45, 44.016, 17.184
 100, 44.016, 17.184	 35, 44.016, 17.184
 65, 44.016, 17.184	 25, 44.016, 17.184
 75, 44.016, 17.184	 15, 44.016, 17.184
 85, 44.016, 17.184	 5, 44.016, 17.184
 95, 44.016, 17.184	 0, 44.016, 17.184

 45, 44.016, 17.184	 45, 44.016, 17.184
 42, 51.866, 20.142	 49, 35.894, 14.851
 39, 59.178, 23.827	 53, 27.776, 13.003

37, 65.741, 28.221

58, 19.864, 11.522

36, 71.463, 32.926

62, 12.289, 10.310

36, 72.837, 33.949

67, 5.116, 9.267

72, 1.637, 188.821

77, 7.978, 187.883

82, 13.934,
187.245

88, 19.537,
186.700

Harmonies

Complementary

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



45, 44.016, 17.184



65, 32.320, 183.710

Rectangle

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



45, 44.016, 17.184



45, 44.016, 67.184



45, 44.016, 197.184



45, 44.016, 247.184

Sweetspot

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



45, 44.014, 17.187



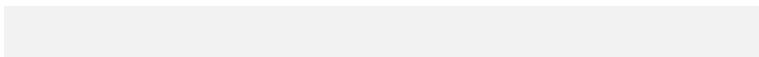
80, 14.808, 10.286



46, 63.179, 323.198



41, 10.042, 10.506



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 44.014, 17.187



53, 65.800, 21.067



53, 37.368, 55.218



34, 3.868, 9.449



31, 65.067, 33.337



2, 7.910, 10.650

Inverse Universe

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



45, 44.014, 17.187



53, 65.800, 21.067



54, 27.183, 249.736



34, 3.868, 9.449



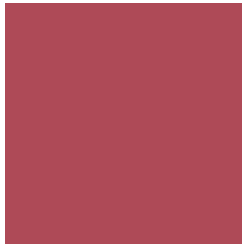
31, 65.067, 33.337



2, 7.910, 10.650

Previews

White Background



This preview shows how the CIELCh color 45, 44.016, 17.184 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 45, 44.016, 17.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

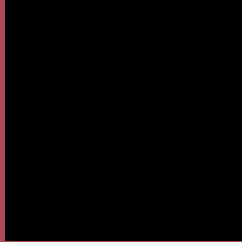
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 44.016, 17.184

Background



This preview shows how black text looks on a background with the CIELCh color 45, 44.016, 17.184.



This preview shows how white text looks on a background with the CIELCh color 45, 44.016, 17.184.

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

45, 44.016, 17.184

Protanopia

45, 2.673, 81.907

Deuteranopia

45, 16.410, 68.878



Tritanopia
45, 44.012, 22.830

Trichromacy



Original Color
45, 44.016, 17.184

Protanomaly
44, 16.570, 17.570

Deuteranomaly
44, 23.910, 33.654

Tritanomaly
45, 43.739, 21.340

Monochromacy



Original Color
45, 44.016, 17.184

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 15.722, 12.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 44.016, 17.184 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(174, 74, 87)` looks like.

```
.text, #text, p{  
    color:rgb(174, 74, 87)  
}
```

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(174, 74, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 74, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 44.016, 17.184 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(174, 74, 87) }
```

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

```
.border{ border-color:rgb(174, 74, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 74, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 74, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 74, 87);  
box-shadow:4px 4px 4px 4px rgb(174, 74,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 44.016, 17.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 74, 87) }
```

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

```
.background{ background-color: rgb(174, 74,  
87) }
```

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