

Converting Colors

CIELCh(45, 18.813, 8.956)

Have a look what the booklet for
CIELCh(45, 18.813, 8.956) contains.

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Color

CIELCh(45, 18.849, 9.437)

Conversions

Conversions Part 1

Format	Color
Hex	8A5F66
RGB	138, 95, 102
RGB Percent	54%, 37%, 40%
CMY	0.4589, 0.6275, 0.6001
CMYK	0.00, 0.31, 0.26, 0.46
HSL	350°, 18%, 46%
HSV	350°, 31%, 54%
XYZ	16.9660, 14.5417, 14.4782
YIQ	108.6550, 23.3810, 11.2930

Conversions

Conversions Part 2

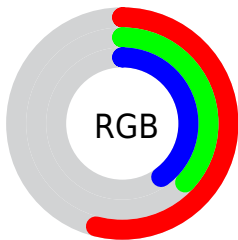
Format	Color
R_{YB}	138, 95, 102
Decimal	9068390
CIE _{Lab}	45.00, 18.59, 3.09
CIE _{LCh}	45, 18.849, 9.437
Yxy	14.5417, 0.3689, 0.3162
Android (android.graphics.Color)	4287258470 (0xFF8A5F66)
YUV	108.6550, -3.2809, 25.7356
Hunter-Lab	38.1336, 12.6825, 4.1828

Details

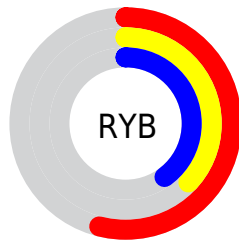
The CIELCh color **45, 18.849, 9.437** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **54, 16.378, 183.469**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 18.641, 9.382**, and **25, 19.004, 9.971** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.417, 11.003**, and if you desaturate by 10%, it is **49, 12.487, 8.156**.

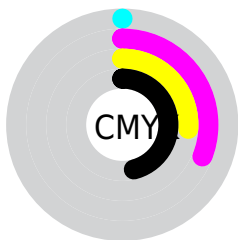
Distribution



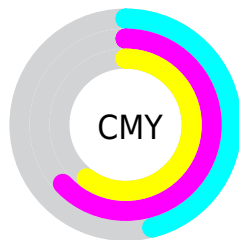
- Red (54%)
- Green (37%)
- Blue (40%)



- Red (54%)
- Yellow (37%)
- Blue (40%)



- Cyan (0%)
- Magenta (31%)
- Yellow (26%)
- Black (46%)











- Cyan (46%)
- Magenta (63%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 18.849, 9.437 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, 18.849, 9.437 by changing the saturation by 10% instead.

 45, 18.849, 9.437	 45, 18.849, 9.437
 100, 18.849, 9.437	 35, 18.849, 9.437
 65, 18.849, 9.437	 25, 18.849, 9.437
 75, 18.849, 9.437	 15, 18.849, 9.437
 85, 18.849, 9.437	 5, 18.849, 9.437
 95, 18.849, 9.437	 0, 18.849, 9.437

 45, 18.849, 9.437	 45, 18.849, 9.437
 41, 25.417, 11.003	 49, 12.487, 8.156
 38, 32.065, 12.940	 53, 6.410, 7.067
 35, 38.603, 15.371	 57, 0.650, 5.623

■ 32, 44.800, 18.429

■ 61, 4.788, 185.545

■ 30, 50.447, 22.222

■ 65, 9.918, 184.831

■ 29, 55.421, 26.739

■ 70, 14.760,
184.227

■ 28, 59.551, 30.751

■ 74, 19.338,
183.695

■ 78, 23.680,
183.219

■ 82, 27.810,
182.790

Harmonies

Complementary

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



45, 18.849, 9.437



54, 16.378, 183.469

Rectangle

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



45, 18.849, 9.437



45, 18.849, 59.437



45, 18.849, 189.437



45, 18.849, 239.437

Sweetspot

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



45, 18.847, 9.441



68, 6.344, 6.865



45, 28.935, 321.163



35, 4.407, 6.996



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 18.847, 9.441



55, 28.012, 10.440



49, 15.333, 53.443



27, 3.218, 6.861



27, 57.741, 30.532



0, 1.458, 6.130

Inverse Universe

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



45, 18.847, 9.441



55, 28.012, 10.440



50, 12.954, 239.154



27, 3.218, 6.861



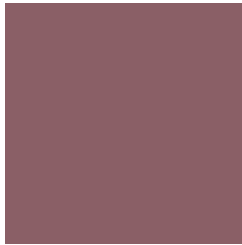
27, 57.741, 30.532



0, 1.458, 6.130

Previews

White Background



This preview shows how the CIELCh color 45, 18.849, 9.437 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 45, 18.849, 9.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

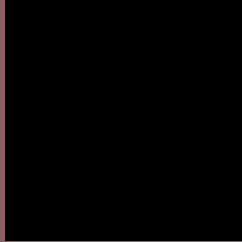
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.849, 9.437

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.849, 9.437.



This preview shows how white text looks on a background with the CIELCh color 45, 18.849, 9.437.

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, 18.849, 9.437

Protanopia

45, 1.459, 324.425

Deuteranopia

45, 7.064, 34.722



Tritanopia
45, 18.849, 9.437

Trichromacy



Original Color
45, 18.849, 9.437

Protanomaly
45, 7.499, 1.889

Deuteranomaly
45, 11.148, 17.790

Tritanomaly
45, 18.849, 9.437

Monochromacy



Original Color
45, 18.849, 9.437

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.808, 10.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.849, 9.437 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(138, 95, 102)` looks like.

```
.text, #text, p{  
    color:rgb(138, 95, 102)  
}
```

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(138, 95, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 95, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.849, 9.437 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(138, 95, 102) }
```

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

```
.border{ border-color:rgb(138, 95, 102) }
```

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

Here you see how a box with a 4 pixel rgb(138, 95, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 95, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 95, 102);  
box-shadow:4px 4px 4px 4px rgb(138, 95,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.849, 9.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 95, 102) }
```

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

```
.background{ background-color: rgb(138, 95,  
102) }
```

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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