

Converting Colors

CIELCh(45, 42.988, 15.013)

Have a look what the booklet for
CIELCh(45, 42.988, 15.013) contains.

CIELCh(45, 42.997, 15.211)	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, 42.997, 15.211)

Conversions

Conversions Part 1

Format	Color
Hex	AD4B5A
RGB	173, 75, 90
RGB Percent	68%, 29%, 35%
CMY	0.3234, 0.7074, 0.6485
CMYK	0.00, 0.57, 0.48, 0.32
HSL	351°, 40%, 48%
HSV	351°, 57%, 68%
XYZ	21.4514, 14.5417, 11.2653
YIQ	106.0120, 53.5930, 25.4410

Conversions

Conversions Part 2

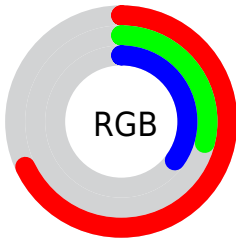
Format	Color
R_{YB}	173, 75, 90
Decimal	11357018
CIE Lab	45.00, 41.49, 11.28
CIE LCh	45, 42.997, 15.211
Yxy	14.5417, 0.4539, 0.3077
Android (android.graphics.Color)	4289547098 (0xFFAD4B5A)
YUV	106.0120, -7.8939, 58.7485
Hunter-Lab	38.1336, 33.6782, 9.1782

Details

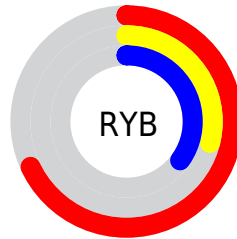
The CIELCh color **45, 42.997, 15.211** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **65, 32.368, 181.637**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 43.151, 15.046**, and **25, 42.994, 14.747** is the 20% darker color. If you saturate the color by 10%, you get **42, 50.661, 18.112**, and if you desaturate by 10%, it is **49, 35.030, 12.922**.

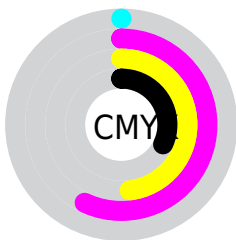
Distribution



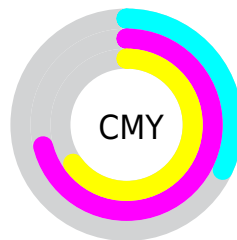
- Red (68%)
- Green (29%)
- Blue (35%)



- Red (68%)
- Yellow (29%)
- Blue (35%)



- Cyan (0%)
- Magenta (57%)
- Yellow (48%)
- Black (32%)



- Cyan (32%)
- Magenta (71%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 42.997, 15.211 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, 42.997, 15.211 by changing the saturation by 10% instead.

 45, 42.997, 15.211

 45, 42.997, 15.211

 100, 42.997,
15.211

 35, 42.997, 15.211

 65, 42.997, 15.211

 25, 42.997, 15.211

 75, 42.997, 15.211

 15, 42.997, 15.211

 85, 42.997, 15.211

 5, 42.997, 15.211

 95, 42.997, 15.211

 0, 42.997, 15.211

 45, 42.997, 15.211

 45, 42.997, 15.211

 42, 50.661, 18.112

 49, 35.030, 12.922

 39, 57.751, 21.743

 53, 27.037, 11.099

■ 37, 64.069, 26.136

■ 58, 19.224, 9.629

■ 36, 69.576, 31.016

■ 62, 11.720, 8.416

■ 36, 71.320, 32.452

■ 67, 4.596, 7.356

■ 72, 2.129, 186.834

■ 77, 8.461, 185.943

■ 82, 14.421,
185.288

■ 87, 20.041,
184.721

Harmonies

Complementary

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



45, 42.997, 15.211



65, 32.368, 181.637

Rectangle

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



45, 42.997, 15.211



45, 42.997, 65.211



45, 42.997, 195.211



45, 42.997, 245.211

Sweetspot

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



45, 42.995, 15.213



79, 14.740, 8.476



46, 61.841, 322.141



40, 9.899, 8.695



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 42.995, 15.213



53, 63.822, 18.926



52, 36.864, 52.064



34, 3.890, 7.622



31, 64.085, 31.835



2, 7.948, 9.117

Inverse Universe

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



45, 42.995, 15.213



53, 63.822, 18.926



55, 26.066, 244.570



34, 3.890, 7.622



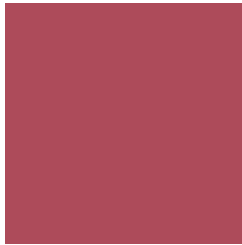
31, 64.085, 31.835



2, 7.948, 9.117

Previews

White Background



This preview shows how the CIELCh color 45, 42.997, 15.211 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, 42.997, 15.211 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, 42.997, 15.211

Background



This preview shows how black text looks on a background with the CIELCh color 45, 42.997, 15.211.

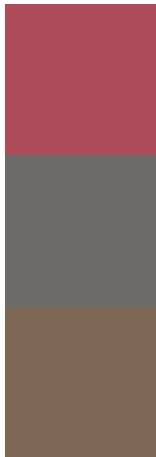


This preview shows how white text looks on a background with the CIELCh color 45, 42.997, 15.211.

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, 42.997, 15.211

Protanopia

45, 1.008, 55.182

Deuteranopia

45, 14.690, 66.295



Tritanopia
45, 43.077, 22.541

Trichromacy



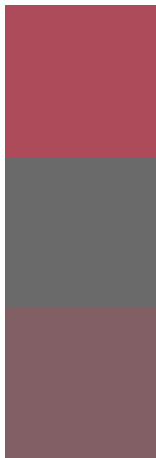
Original Color
45, 42.997, 15.211

Protanomaly
44, 16.164, 11.116

Deuteranomaly
45, 22.543, 31.214

Tritanomaly
45, 43.076, 19.690

Monochromacy



Original Color
45, 42.997, 15.211

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 15.301, 10.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 42.997, 15.211 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(173, 75, 90)` looks like.

```
.text, #text, p{  
    color:rgb(173, 75, 90)  
}
```

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(173, 75, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 75, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 42.997, 15.211 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(173, 75, 90) }
```

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

```
.border{ border-color:rgb(173, 75, 90) }
```

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

Here you see how a box with a 4 pixel rgb(173, 75, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 75, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 75, 90);  
box-shadow:4px 4px 4px 4px rgb(173, 75,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 42.997, 15.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 75, 90) }
```

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

```
.background{ background-color: rgb(173, 75,  
90) }
```

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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