

Converting Colors

CIELCh(45, 42.831, 1.544)

Have a look what the booklet for
CIELCh(45, 42.831, 1.544) contains.

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Color

CIELCh(45, 42.684, 1.443)

Conversions

Conversions Part 1

Format	Color
Hex	AA4A6A
RGB	170, 74, 106
RGB Percent	67%, 29%, 42%
CMY	0.3324, 0.7090, 0.5835
CMYK	0.00, 0.56, 0.38, 0.33
HSL	340°, 39%, 48%
HSV	340°, 56%, 67%
XYZ	21.7018, 14.5417, 15.3529
YIQ	106.3520, 46.9440, 30.3040

Conversions

Conversions Part 2

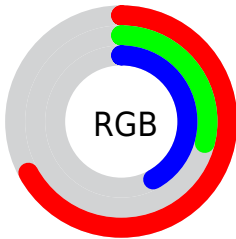
Format	Color
R_{YB}	170, 74, 106
Decimal	11160170
CIE _{Lab}	45.00, 42.67, 1.07
CIE _{LCh}	45, 42.684, 1.443
Yxy	14.5417, 0.4206, 0.2818
Android (android.graphics.Color)	4289350250 (0xFFAA4A6A)
YUV	106.3520, -0.1735, 55.8193
Hunter-Lab	38.1336, 34.8502, 2.8228

Details

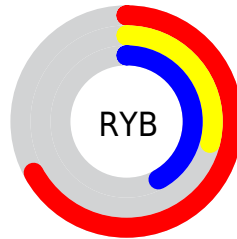
The CIELCh color **45, 42.684, 1.443** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 37.026, 167.456**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 42.805, 1.403**, and **25, 42.514, 1.472** is the 20% darker color. If you saturate the color by 10%, you get **42, 49.365, 3.940**, and if you desaturate by 10%, it is **49, 35.314, 359.444**.

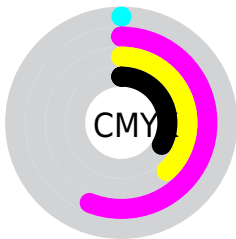
Distribution



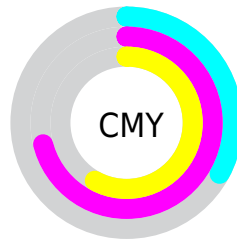
- Red (67%)
- Green (29%)
- Blue (42%)



- Red (67%)
- Yellow (29%)
- Blue (42%)



- Cyan (0%)
- Magenta (56%)
- Yellow (38%)
- Black (33%)





- Cyan (33%)
- Magenta (71%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 42.684, 1.443 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, 42.684, 1.443 by changing the saturation by 10% instead.

 45, 42.684, 1.443	 45, 42.684, 1.443
 100, 42.684, 1.443	 35, 42.684, 1.443
 65, 42.684, 1.443	 25, 42.684, 1.443
 75, 42.684, 1.443	 15, 42.684, 1.443
 85, 42.684, 1.443	 5, 42.684, 1.443
 95, 42.684, 1.443	 0, 42.684, 1.443

 45, 42.684, 1.443	 45, 42.684, 1.443
 42, 49.365, 3.940	 49, 35.314, 359.444
 39, 55.017, 7.091	
 37, 59.406, 11.062	 53, 27.600, 357.807

36, 62.617, 15.912

57, 19.806,
356.438

36, 63.757, 17.689

62, 12.118,
355.263

67, 4.646, 354.199

71, 2.549, 173.563

76, 9.444, 172.653

81, 16.038,
171.922

86, 22.342,
171.267

Harmonies

Complementary

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



45, 42.684, 1.443



63, 37.026, 167.456

Rectangle

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



45, 42.684, 1.443



45, 42.684, 51.443



45, 42.684, 181.443



45, 42.684, 231.443

Sweetspot

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



45, 42.681, 1.445



78, 15.601, 355.362



43, 59.804, 316.959



41, 10.553, 355.580



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, 42.681, 1.445



53, 62.236, 4.755



48, 39.188, 37.526



33, 4.089, 354.504



31, 57.339, 16.980



2, 7.155, 356.884

Inverse Universe

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



45, 42.681, 1.445



53, 62.236, 4.755



59, 25.289, 218.668



33, 4.089, 354.504



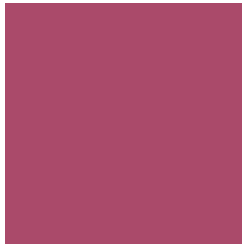
31, 57.339, 16.980



2, 7.155, 356.884

Previews

White Background



This preview shows how the CIELCh color 45, 42.684, 1.443 looks on a white background.

Color Contrast Check

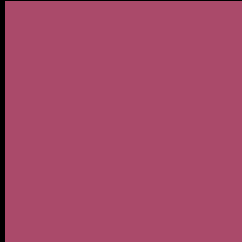
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.684, 1.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

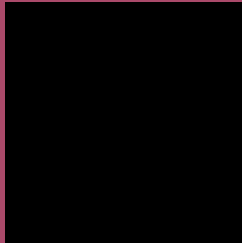
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 42.684, 1.443

Background



This preview shows how black text looks on a background with the CIELCh color 45, 42.684, 1.443.



This preview shows how white text looks on a background with the CIELCh color 45, 42.684, 1.443.

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, 42.684, 1.443

Protanopia

45, 11.369, 286.018

Deuteranopia

45, 6.810, 25.176



Tritanopia
45, 40.268, 21.665

Trichromacy



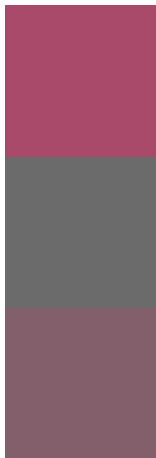
Original Color
45, 42.684, 1.443

Protanomaly
44, 19.521, 334.922

Deuteranomaly
45, 20.118, 3.513

Tritanomaly
45, 40.427, 13.874

Monochromacy



Original Color
45, 42.684, 1.443

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 16.271, 355.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 42.684, 1.443 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(170, 74, 106)` looks like.

```
.text, #text, p{  
    color:rgb(170, 74, 106)  
}
```

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(170, 74, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 74, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 42.684, 1.443 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(170, 74, 106) }
```

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

```
.border{ border-color:rgb(170, 74, 106) }
```

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

Here you see how a box with a 4 pixel rgb(170, 74, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 74, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 74, 106);  
box-shadow:4px 4px 4px 4px rgb(170, 74,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 42.684, 1.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 74, 106) }
```

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

```
.background{ background-color: rgb(170, 74,  
106) }
```

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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