

Converting Colors

CIELCh(47, 56.358, 4.896)

Have a look what the booklet for
CIELCh(47, 56.358, 4.896) contains.

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Color

CIELCh(47, 56.253, 4.830)

Conversions

Conversions Part 1

Format	Color
Hex	C33E6A
RGB	195, 62, 106
RGB Percent	76%, 24%, 42%
CMY	0.2363, 0.7578, 0.5852
CMYK	0.00, 0.68, 0.46, 0.24
HSL	340°, 52%, 50%
HSV	340°, 68%, 76%
XYZ	26.7350, 16.0195, 15.2587
YIQ	106.7830, 65.1440, 41.8800

Conversions

Conversions Part 2

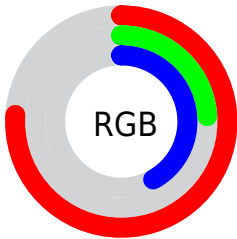
Format	Color
R_{YB}	195, 62, 106
Decimal	12795498
CIE Lab	47.00, 56.05, 4.74
CIE LCh	47, 56.253, 4.830
Yxy	16.0195, 0.4608, 0.2761
Android (android.graphics.Color)	4290985578 (0xFFC33E6A)
YUV	106.7830, -0.3860, 77.3663
Hunter-Lab	40.0243, 49.1898, 5.4135

Details

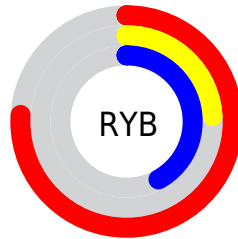
The CIELCh color **47, 56.253, 4.830** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **71, 47.748, 165.649**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 55.988, 4.771**, and **28, 52.914, 7.024** is the 20% darker color. If you saturate the color by 10%, you get **44, 62.220, 8.223**, and if you desaturate by 10%, it is **50, 49.038, 2.155**.

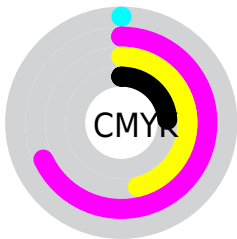
Distribution



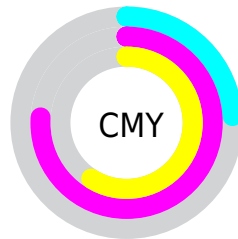
- Red (76%)
- Green (24%)
- Blue (42%)



- Red (76%)
- Yellow (24%)
- Blue (42%)



- Cyan (0%)
- Magenta (68%)
- Yellow (46%)
- Black (24%)




- Cyan (24%)
- Magenta (76%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 56.253, 4.830 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 47, 56.253, 4.830 by changing the saturation by 10% instead.

 47, 56.253, 4.830  47, 56.253, 4.830

 100, 56.253, 4.830  37, 56.253, 4.830

 67, 56.253, 4.830  27, 56.253, 4.830

 77, 56.253, 4.830  17, 56.253, 4.830

 87, 56.253, 4.830  7, 56.253, 4.830

 97, 56.253, 4.830  0, 56.253, 4.830

 47, 56.253, 4.830  47, 56.253, 4.830

 44, 62.220, 8.223  50, 49.038, 2.155

 42, 66.750, 12.488  55, 40.962, 0.023

 41, 70.100, 17.601  59, 32.415,

41, 70.685, 18.478 358.292

64, 23.722,
356.854

69, 15.112,
355.629

74, 6.728, 354.544

80, 1.353, 174.032

85, 9.097, 172.928

91, 16.501,
172.173

Harmonies

Complementary

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



47, 56.253, 4.830



71, 47.748, 165.649

Rectangle

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



47, 56.253, 4.830



47, 56.253, 54.830



47, 56.253, 184.830



47, 56.253, 234.830

Sweetspot

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



47, 56.250, 4.832



86, 20.469, 355.863



44, 79.037, 317.223



44, 14.142, 356.205



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 56.250, 4.832



56, 78.605, 10.234



50, 55.187, 38.921



38, 4.592, 354.658



34, 61.068, 17.595



3, 14.742, 1.894

Inverse Universe

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



47, 56.250, 4.832



56, 78.605, 10.234



65, 31.521, 220.483



38, 4.592, 354.658



34, 61.068, 17.595



3, 14.742, 1.894

Previews

White Background



This preview shows how the CIELCh color 47, 56.253, 4.830 looks on a white background.

Color Contrast Check

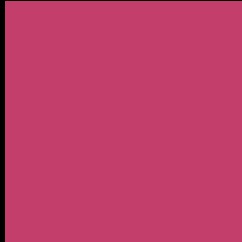
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 56.253, 4.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

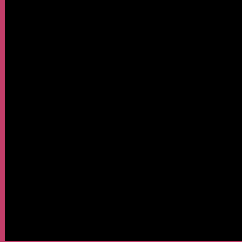
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 56.253, 4.830

Background



This preview shows how black text looks on a background with the CIELCh color 47, 56.253, 4.830.



This preview shows how white text looks on a background with the CIELCh color 47, 56.253, 4.830.

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

47, 56.253, 4.830

Protanopia

47, 13.655, 285.776

Deuteranopia

47, 10.194, 51.365



Tritanopia
47, 55.664, 26.377

Trichromacy



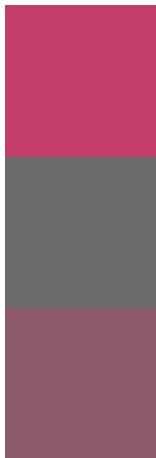
Original Color
47, 56.253, 4.830

Protanomaly
45, 25.790, 337.775

Deuteranomaly
46, 26.790, 10.795

Tritanomaly
47, 55.151, 18.416

Monochromacy



Original Color
47, 56.253, 4.830

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 22.143, 357.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 56.253, 4.830 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(195, 62, 106)` looks like.

```
.text, #text, p{  
    color:rgb(195, 62, 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(195, 62, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 62, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 56.253, 4.830 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(195, 62, 106) }
```

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

```
.border{ border-color:rgb(195, 62, 106) }
```

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

Here you see how a box with a 4 pixel rgb(195, 62, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 62, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 62, 106);  
box-shadow:4px 4px 4px 4px rgb(195, 62,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 56.253, 4.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 62, 106) }
```

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

```
.background{ background-color: rgb(195, 62,  
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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