

Converting Colors

CIELCh(47, 67.262, 17.087)

Have a look what the booklet for
CIELCh(47, 67.262, 17.087) contains.

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Color

CIELCh(47, 67.197, 16.991)

Conversions

Conversions Part 1

Format	Color
Hex	D12C52
RGB	209, 44, 82
RGB Percent	82%, 17%, 32%
CMY	0.1795, 0.8264, 0.6778
CMYK	0.00, 0.79, 0.61, 0.18
HSL	346°, 65%, 50%
HSV	346°, 79%, 82%
XYZ	28.7959, 16.0195, 9.5898
YIQ	97.6670, 86.1420, 46.7980

Conversions

Conversions Part 2

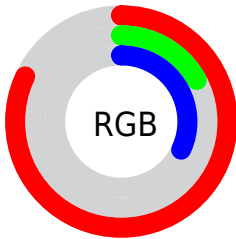
Format	Color
RYB	209, 44, 82
Decimal	13708370
CIELab	47.00, 64.26, 19.64
CIElCh	47, 67.197, 16.991
Yxy	16.0195, 0.5293, 0.2944
Android (android.graphics.Color)	4291898450 (0xFFD12C52)
YUV	97.6670, -7.7238, 97.6390
Hunter-Lab	40.0243, 58.3812, 13.8112

Details

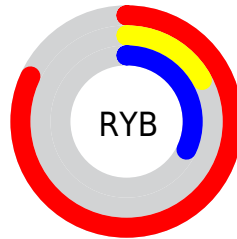
The CIELCh color **47, 67.197, 16.991** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **76, 50.026, 171.681**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 60.757, 14.945**, and **30, 59.009, 23.620** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.181, 21.710**, and if you desaturate by 10%, it is **50, 60.044, 13.148**.

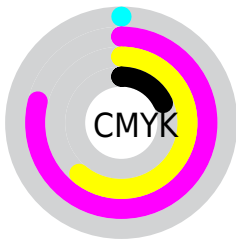
Distribution



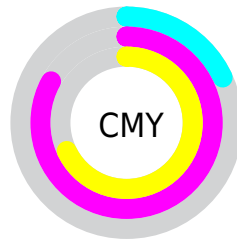
- Red (82%)
- Green (17%)
- Blue (32%)



- Red (82%)
- Yellow (17%)
- Blue (32%)



- Cyan (0%)
- Magenta (79%)
- Yellow (61%)
- Black (18%)




- Cyan (18%)
- Magenta (83%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 67.197, 16.991 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, 67.197, 16.991 by changing the saturation by 10% instead.

 47, 67.197, 16.991

 47, 67.197, 16.991

 100, 67.197,
16.991

 37, 67.197, 16.991

 67, 67.197, 16.991

 27, 67.197, 16.991

 77, 67.197, 16.991

 17, 67.197, 16.991

 87, 67.197, 16.991

 7, 67.197, 16.991

 97, 67.197, 16.991

 0, 67.197, 16.991

 47, 67.197, 16.991

 47, 67.197, 16.991

 45, 73.181, 21.710

 50, 60.044, 13.148

 44, 78.257, 27.056

 53, 51.880, 10.098

44, 78.857, 27.649

58, 43.041, 7.688

63, 33.898, 5.765

68, 24.759, 4.201

73, 15.837, 2.900

79, 7.256, 1.774

85, 0.923, 181.473

90, 8.685, 180.158

Harmonies

Complementary

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



47, 67.197, 16.991



76, 50.026, 171.681

Rectangle

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



47, 67.197, 16.991



47, 67.197, 66.991



47, 67.197, 196.991



47, 67.197, 246.991

Sweetspot

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



47, 67.194, 16.993



84, 23.971, 3.579



46, 92.656, 320.284



43, 16.589, 4.066



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, 67.194, 16.993



54, 89.236, 25.597



53, 65.896, 46.392



41, 4.662, 1.835



35, 66.580, 26.710



4, 20.281, 8.858

Inverse Universe

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



47, 67.194, 16.993



54, 89.236, 25.597



63, 36.214, 240.907



41, 4.662, 1.835



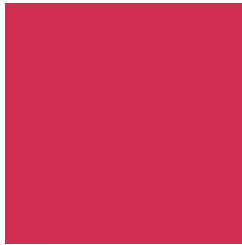
35, 66.580, 26.710



4, 20.281, 8.858

Previews

White Background



This preview shows how the CIELCh color 47, 67.197, 16.991 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 47, 67.197, 16.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

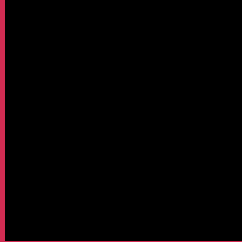
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 67.197, 16.991

Background



This preview shows how black text looks on a background with the CIELCh color 47, 67.197, 16.991.



This preview shows how white text looks on a background with the CIELCh color 47, 67.197, 16.991.

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, 67.197, 16.991

Protanopia

47, 0.816, 19.058

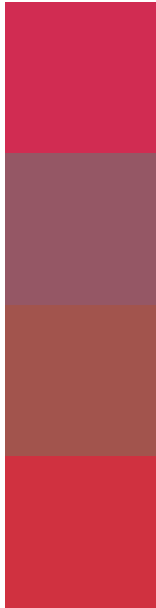
Deuteranopia

47, 23.612, 74.037



Tritanopia
47, 70.874, 31.522

Trichromacy



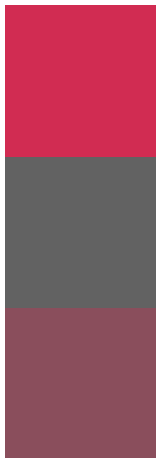
Original Color
47, 67.197, 16.991

Protanomaly
44, 27.584, 6.365

Deuteranomaly
45, 36.566, 30.783

Tritanomaly
47, 68.685, 26.393

Monochromacy



Original Color
47, 67.197, 16.991

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 27.153, 6.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 67.197, 16.991 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(209, 44, 82)` looks like.

```
.text, #text, p{  
    color:rgb(209, 44, 82)  
}
```

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(209, 44, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 44, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 67.197, 16.991 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(209, 44, 82) }
```

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

```
.border{ border-color:rgb(209, 44, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 44, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 44, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 44, 82);  
box-shadow:4px 4px 4px 4px rgb(209, 44,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 67.197, 16.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 44, 82) }
```

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

```
.background{ background-color: rgb(209, 44,  
82) }
```

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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