

Converting Colors

CIELCh(28, 116.887, 357.191)

Have a look what the booklet for
CIELCh(28, 116.887, 357.191)
contains.

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Color

CIELCh(43, 71.332, 12.890)

Conversions

Conversions Part 1

Format	Color
Hex	CA014F
RGB	202, 1, 79
RGB Percent	79%, 0%, 31%
CMY	0.2072, 0.9979, 0.6897
CMYK	0.00, 1.00, 0.61, 0.21
HSL	337°, 99%, 40%
HSV	337°, 100%, 79%
XYZ	25.8249, 13.1578, 8.6001
YIQ	69.9910, 94.7580, 66.8700

Conversions

Conversions Part 2

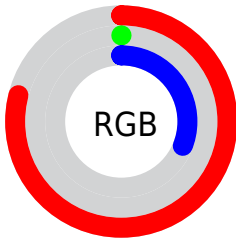
Format	Color
RYB	202, 1, 79
Decimal	13238607
CIELab	43.00, 69.53, 15.91
CIELCh	43, 71.332, 12.890
Yxy	13.1578, 0.5427, 0.2765
Android (android.graphics.Color)	4291428687 (0xFFCA014F)
YUV	69.9910, 4.4414, 115.7719
Hunter-Lab	36.2736, 63.6038, 11.3345

Details

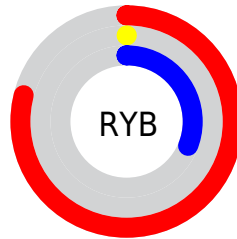
The CIELCh color **43, 71.332, 12.890** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **72, 66.263, 155.333**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 67.626, 11.283**, and **29, 56.891, 23.461** is the 20% darker color. If you saturate the color by 10%, you get **43, 71.399, 13.023**, and if you desaturate by 10%, it is **44, 68.799, 8.020**.

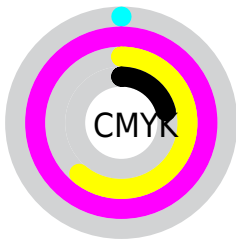
Distribution



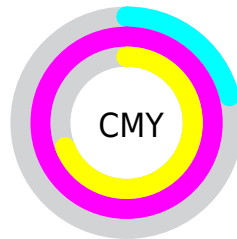
- Red (79%)
- Green (0%)
- Blue (31%)



- Red (79%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 71.332, 12.890 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 43, 71.332, 12.890 by changing the saturation by 10% instead.

 43, 71.332, 12.890

 43, 71.332, 12.890

 100, 71.332,
12.890

 33, 71.332, 12.890

 63, 71.332, 12.890

 23, 71.332, 12.890

 73, 71.332, 12.890

 13, 71.332, 12.890

 83, 71.332, 12.890

 3, 71.332, 12.890

 93, 71.332, 12.890

 0, 71.332, 12.890

 43, 71.332, 12.890

 43, 71.332, 12.890

 43, 71.399, 13.023

 44, 68.799, 8.020

 46, 64.985, 3.956

■ 49, 59.470, 0.741

■ 52, 52.445,
358.205

■ 56, 44.318,
356.176

■ 61, 35.530,
354.519

■ 65, 26.455,
353.131

■ 71, 17.366,
351.941

■ 76, 8.439, 350.885

Harmonies

Complementary

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



43, 71.332, 12.890



72, 66.263, 155.333

Rectangle

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



43, 71.332, 12.890



43, 71.332, 62.890



43, 71.332, 192.890



43, 71.332, 242.890

Sweetspot

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



43, 71.329, 12.892



81, 32.247, 353.218



35, 102.498, 314.358



40, 22.062, 353.790



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 71.329, 12.892



54, 85.213, 13.830



43, 86.111, 41.034



40, 4.952, 350.851



35, 61.492, 12.188



4, 19.023, 0.116

Inverse Universe

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



43, 71.329, 12.892



54, 85.213, 13.830



68, 37.447, 214.270



40, 4.952, 350.851



35, 61.492, 12.188



4, 19.023, 0.116

Previews

White Background



This preview shows how the CIELCh color 43, 71.332, 12.890 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 43, 71.332, 12.890 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 43, 71.332, 12.890

Background



This preview shows how black text looks on a background with the CIELCh color 43, 71.332, 12.890.



This preview shows how white text looks on a background with the CIELCh color 43, 71.332, 12.890.

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

43, 71.250, 12.942

Protanopia

44, 7.801, 288.420

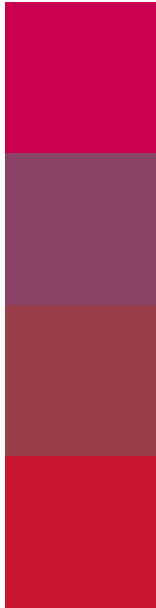
Deuteranopia

44, 21.108, 73.911



Tritanopia
44, 77.690, 35.953

Trichromacy



Original Color
43, 71.250, 12.942

Protanomaly
38, 36.002, 348.245

Deuteranomaly
39, 40.325, 18.635

Tritanomaly
43, 74.332, 28.194

Monochromacy



Original Color
43, 71.250, 12.942

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 34.969, 358.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 71.332, 12.890 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(202, 1, 79)` looks like.

```
.text, #text, p{  
    color:rgb(202, 1, 79)  
}
```

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(202, 1, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 1, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 71.332, 12.890 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(202, 1, 79) }
```

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

```
.border{ border-color:rgb(202, 1, 79) }
```

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

Here you see how a box with a 4 pixel rgb(202, 1, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 1, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 1, 79);  
box-shadow:4px 4px 4px 4px rgb(202, 1, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 71.332, 12.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 1, 79) }
```

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

```
.background{ background-color: rgb(202, 1,  
79) }
```

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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