

Converting Colors

CIELCh(43, 71.353, 10.111)

Have a look what the booklet for
CIELCh(43, 71.353, 10.111) contains.

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Color

CIELCh(43, 71.020, 10.475)

Conversions

Conversions Part 1

Format	Color
Hex	CA0054
RGB	202, 0, 84
RGB Percent	79%, 0%, 33%
CMY	0.2086, 1.0000, 0.6711
CMYK	0.00, 1.00, 0.58, 0.21
HSL	335°, 100%, 40%
HSV	335°, 100%, 79%
XYZ	25.8972, 13.1578, 9.5343
YIQ	69.9740, 93.4280, 68.9480

Conversions

Conversions Part 2

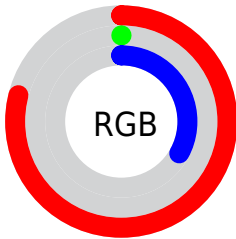
Format	Color
R_{YB}	202, 0, 84
Decimal	13238356
CIE Lab	43.00, 69.84, 12.91
CIE LCh	43, 71.020, 10.475
Yxy	13.1578, 0.5330, 0.2708
Android (android.graphics.Color)	4291428436 (0xFFCA0054)
YUV	69.9740, 6.9148, 115.7868
Hunter-Lab	36.2736, 63.9596, 9.8075

Details

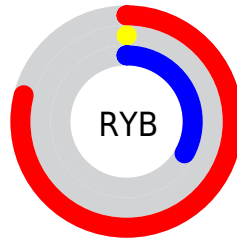
The CIELCh color **43, 71.020, 10.475** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **72, 68.292, 153.664**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 67.557, 8.933**, and **29, 56.088, 20.978** is the 20% darker color. If you saturate the color by 10%, you get **43, 70.975, 10.501**, and if you desaturate by 10%, it is **44, 68.783, 5.818**.

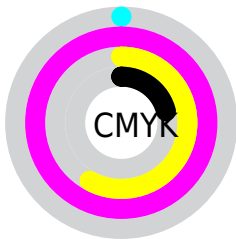
Distribution



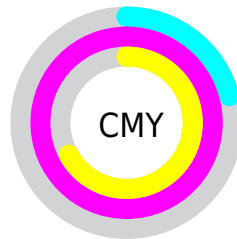
- Red (79%)
- Green (0%)
- Blue (33%)



- Red (79%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 71.020, 10.475 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, 71.020, 10.475 by changing the saturation by 10% instead.

43, 71.020, 10.475

43, 71.020, 10.475

100, 71.020,
10.475

33, 71.020, 10.475

63, 71.020, 10.475

23, 71.020, 10.475

73, 71.020, 10.475

13, 71.020, 10.475

83, 71.020, 10.475

3, 71.020, 10.475

93, 71.020, 10.475

0, 71.020, 10.475

43, 71.020, 10.475

43, 71.020, 10.475

43, 70.975, 10.501

44, 68.783, 5.818

46, 65.248, 1.920

■ 48, 59.926,
358.843

■ 52, 53.017,
356.412

■ 56, 44.939,
354.461

■ 60, 36.143,
352.859

■ 65, 27.015,
351.512

■ 70, 17.838,
350.351

■ 76, 8.799, 349.316

Harmonies

Complementary

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



43, 71.020, 10.475



72, 68.292, 153.664

Rectangle

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



43, 71.020, 10.475



43, 71.020, 60.475



43, 71.020, 190.475



43, 71.020, 240.475

Sweetspot

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



43, 70.975, 10.501



81, 32.672, 351.564



34, 102.827, 313.892



40, 22.340, 352.117



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, 70.975, 10.501



54, 84.752, 11.286



43, 86.490, 40.852



40, 5.030, 349.257



35, 61.256, 9.704



4, 19.198, 358.636

Inverse Universe

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



43, 70.975, 10.501



54, 84.752, 11.286



69, 37.933, 210.995



40, 5.030, 349.257



35, 61.256, 9.704



4, 19.198, 358.636

Previews

White Background



This preview shows how the CIELCh color 43, 71.020, 10.475 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 43, 71.020, 10.475 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, 71.020, 10.475

Background



This preview shows how black text looks on a background with the CIELCh color 43, 71.020, 10.475.



This preview shows how white text looks on a background with the CIELCh color 43, 71.020, 10.475.

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, 71.020, 10.475

Protanopia

44, 11.426, 286.070

Deuteranopia

44, 18.480, 72.880



Tritanopia
44, 76.477, 35.586

Trichromacy



Original Color
43, 71.020, 10.475

Protanomaly
38, 37.165, 343.704

Deuteranomaly
39, 39.526, 14.920

Tritanomaly
43, 73.507, 27.058

Monochromacy



Original Color
43, 71.020, 10.475

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 35.278, 356.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 71.020, 10.475 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, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 84)  
}
```

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, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 71.020, 10.475 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, 0, 84) }
```

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

```
.border{ border-color:rgb(202, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(202, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 71.020, 10.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 84) }
```

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

```
.background{ background-color: rgb(202, 0,  
84) }
```

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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