

Converting Colors

CIELCh(44, 72.206, 2.353)

Have a look what the booklet for
CIELCh(44, 72.206, 2.353) contains.

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Color

CIELCh(44, 71.830, 2.567)

Conversions

Conversions Part 1

Format	Color
Hex	CD0066
RGB	205, 0, 102
RGB Percent	80%, 0%, 40%
CMY	0.1978, 1.0000, 0.6014
CMYK	0.00, 1.00, 0.50, 0.20
HSL	330°, 100%, 40%
HSV	330°, 100%, 80%
XYZ	27.4198, 13.8382, 13.7050
YIQ	72.9230, 89.4380, 75.1820

Conversions

Conversions Part 2

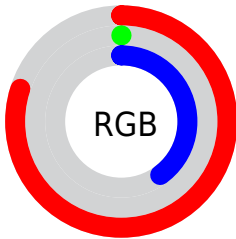
Format	Color
R_{YB}	205, 0, 102
Decimal	13434982
CIE _{Lab}	44.00, 71.76, 3.22
CIE _{LCh}	44, 71.830, 2.567
Yxy	13.8382, 0.4989, 0.2518
Android (android.graphics.Color)	4291625062 (0xFFCD0066)
YUV	72.9230, 14.3350, 115.8315
Hunter-Lab	37.1997, 66.4722, 4.1964

Details

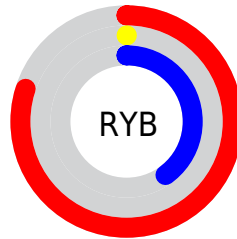
The CIELCh color **44, 71.830, 2.567** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **73, 75.445, 149.127**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.203, 359.865**, and **30, 55.402, 11.587** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.707, 2.621**, and if you desaturate by 10%, it is **45, 70.346, 358.682**.

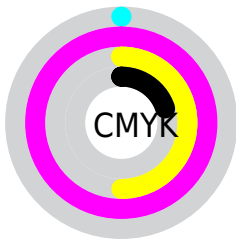
Distribution



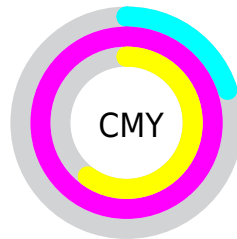
- Red (80%)
- Green (0%)
- Blue (40%)



- Red (80%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 71.830, 2.567 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 44, 71.830, 2.567 by changing the saturation by 10% instead.

 44, 71.830, 2.567  44, 71.830, 2.567

 100, 71.830, 2.567  34, 71.830, 2.567

 64, 71.830, 2.567  24, 71.830, 2.567

 74, 71.830, 2.567  14, 71.830, 2.567

 84, 71.830, 2.567  4, 71.830, 2.567

 94, 71.830, 2.567  0, 71.830, 2.567

 44, 71.830, 2.567  44, 71.830, 2.567

 44, 71.707, 2.621  45, 70.346,
358.682

 47, 67.337,
355.449

■ 49, 62.272,
352.895

■ 53, 55.402,
350.857

■ 57, 47.186,
349.195

■ 61, 38.110,
347.804

■ 66, 28.593,
346.610

■ 71, 18.944,
345.561

■ 77, 9.372, 344.611

Harmonies

Complementary

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



44, 71.830, 2.567



73, 75.445, 149.127

Rectangle

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



44, 71.830, 2.567



44, 71.830, 52.567



44, 71.830, 182.567



44, 71.830, 232.567

Sweetspot

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



44, 71.707, 2.621



81, 34.199, 346.653



32, 105.763, 311.819



40, 23.348, 347.145



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 71.707, 2.621



55, 84.596, 3.243



43, 88.569, 40.000



40, 5.301, 344.555



35, 61.397, 1.908



4, 19.889, 353.721

Inverse Universe

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



44, 71.707, 2.621



55, 84.596, 3.243



75, 42.444, 196.386



40, 5.301, 344.555



35, 61.397, 1.908



4, 19.889, 353.721

Previews

White Background



This preview shows how the CIELCh color 44, 71.830, 2.567 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 44, 71.830, 2.567 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 44, 71.830, 2.567

Background



This preview shows how black text looks on a background with the CIELCh color 44, 71.830, 2.567.



This preview shows how white text looks on a background with the CIELCh color 44, 71.830, 2.567.

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

44, 71.830, 2.567

Protanopia

45, 25.197, 285.154

Deuteranopia

45, 9.938, 52.614



Tritanopia
45, 74.081, 33.947

Trichromacy



Original Color
44, 71.830, 2.567



Protanomaly
39, 44.871, 328.294



Deuteranomaly
40, 39.360, 359.443



Tritanomaly
44, 71.528, 22.824

Monochromacy



Original Color
44, 71.830, 2.567



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 37.286, 350.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 71.830, 2.567 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(205, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 102)  
}
```

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(205, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 71.830, 2.567 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(205, 0, 102) }
```

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

```
.border{ border-color:rgb(205, 0, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 71.830, 2.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 102) }
```

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

```
.background{ background-color: rgb(205, 0,  
102) }
```

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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