

Converting Colors

CIELCh(44, 71.872, 0.645)

Have a look what the booklet for
CIELCh(44, 71.872, 0.645) contains.

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Color

CIELCh(44, 71.776, 0.915)

Conversions

Conversions Part 1

Format	Color
Hex	CC0069
RGB	204, 0, 105
RGB Percent	80%, 0%, 41%
CMY	0.2003, 1.0000, 0.5885
CMYK	0.00, 1.00, 0.49, 0.20
HSL	329°, 100%, 40%
HSV	329°, 100%, 80%
XYZ	27.4220, 13.8382, 14.5721
YIQ	72.9660, 87.8790, 75.9030

Conversions

Conversions Part 2

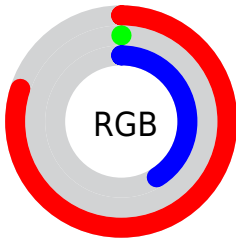
Format	Color
R_{YB}	204, 0, 105
Decimal	13369449
CIE _{Lab}	44.00, 71.77, 1.15
CIE _{LCh}	44, 71.776, 0.915
Yxy	13.8382, 0.4911, 0.2479
Android (android.graphics.Color)	4291559529 (0xFFCC0069)
YUV	72.9660, 15.7928, 114.9168
Hunter-Lab	37.1997, 66.4828, 2.8143

Details

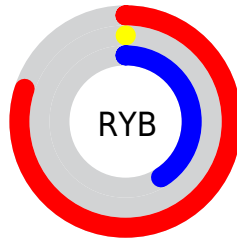
The CIELCh color **44, 71.776, 0.915** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **72, 76.636, 148.257**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.527, 358.520**, and **30, 54.988, 9.960** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.752, 0.925**, and if you desaturate by 10%, it is **45, 70.527, 357.172**.

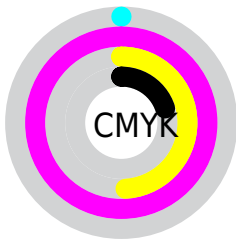
Distribution



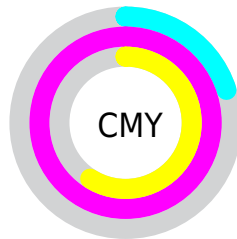
- Red (80%)
- Green (0%)
- Blue (41%)



- Red (80%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 71.776, 0.915 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, 71.776, 0.915 by changing the saturation by 10% instead.


 44, 71.776, 0.915  44, 71.776, 0.915


 100, 71.776, 0.915  34, 71.776, 0.915


 64, 71.776, 0.915  24, 71.776, 0.915

 74, 71.776, 0.915  14, 71.776, 0.915

 84, 71.776, 0.915  4, 71.776, 0.915

 94, 71.776, 0.915  0, 71.776, 0.915

 44, 71.776, 0.915  44, 71.776, 0.915

 44, 71.752, 0.925  45, 70.527,
357.172

 47, 67.604,
354.095

■ 49, 62.585,
351.660

■ 53, 55.731,
349.709

■ 57, 47.503,
348.112

■ 61, 38.395,
346.768

■ 66, 28.826,
345.609

■ 71, 19.110,
344.585

■ 77, 9.460, 343.655

Harmonies

Complementary

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



44, 71.776, 0.915



72, 76.636, 148.257

Rectangle

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



44, 71.776, 0.915



44, 71.776, 50.915



44, 71.776, 180.915



44, 71.776, 230.915

Sweetspot

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



44, 71.752, 0.925



81, 34.564, 345.651



32, 105.894, 311.449



40, 23.591, 346.130



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, 71.752, 0.925



55, 84.818, 1.528



43, 87.629, 39.394



40, 5.364, 343.600



35, 61.601, 0.254



4, 20.070, 352.615

Inverse Universe

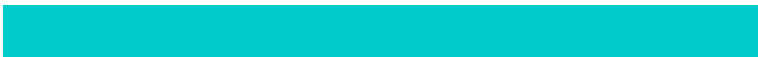
The Inverse Universe completely reimagines the original color for something new.



44, 71.752, 0.925



55, 84.818, 1.528



74, 42.882, 193.844



40, 5.364, 343.600



35, 61.601, 0.254



4, 20.070, 352.615

Previews

White Background



This preview shows how the CIELCh color 44, 71.776, 0.915 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, 71.776, 0.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

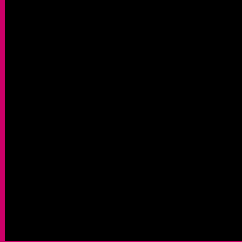
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 71.776, 0.915

Background



This preview shows how black text looks on a background with the CIELCh color 44, 71.776, 0.915.



This preview shows how white text looks on a background with the CIELCh color 44, 71.776, 0.915.

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, 71.776, 0.915

Protanopia

45, 27.601, 285.012

Deuteranopia

45, 8.597, 44.635



Tritanopia
45, 72.797, 33.544

Trichromacy



Original Color
44, 71.776, 0.915



Protanomaly
39, 46.094, 326.515



Deuteranomaly
40, 39.794, 356.944



Tritanomaly
44, 70.351, 21.535

Monochromacy



Original Color
44, 71.776, 0.915



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 37.767, 349.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 71.776, 0.915 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(204, 0, 105)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 105)  
}
```

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(204, 0, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 71.776, 0.915 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(204, 0, 105) }
```

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

```
.border{ border-color:rgb(204, 0, 105) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 71.776, 0.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 105) }
```

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

```
.background{ background-color: rgb(204, 0,  
105) }
```

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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