

Converting Colors

CIELCh(45, 72.718, 5.096)

Have a look what the booklet for
CIELCh(45, 72.718, 5.096) contains.

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Color

CIELCh(45, 72.614, 4.977)

Conversions

Conversions Part 1

Format	Color
Hex	D10263
RGB	209, 2, 99
RGB Percent	82%, 1%, 39%
CMY	0.1793, 0.9925, 0.6109
CMYK	0.00, 0.99, 0.53, 0.18
HSL	332°, 98%, 41%
HSV	332°, 99%, 82%
XYZ	28.6561, 14.5417, 13.1553
YIQ	74.9510, 92.2350, 74.0510

Conversions

Conversions Part 2

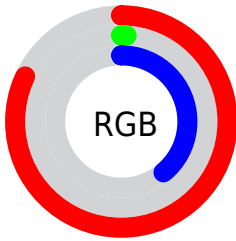
Format	Color
R_{YB}	209, 2, 99
Decimal	13697635
CIE _{Lab}	45.00, 72.34, 6.30
CIE _{LCh}	45, 72.614, 4.977
Yxy	14.5417, 0.5085, 0.2580
Android (android.graphics.Color)	4291887715 (0xFFD10263)
YUV	74.9510, 11.8562, 117.5610
Hunter-Lab	38.1336, 67.4030, 6.2398

Details

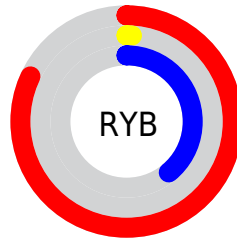
The CIELCh color **45, 72.614, 4.977** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **74, 74.185, 150.736**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.460, 1.868**, and **31, 56.602, 14.381** is the 20% darker color. If you saturate the color by 10%, you get **45, 72.755, 5.376**, and if you desaturate by 10%, it is **46, 70.939, 0.781**.

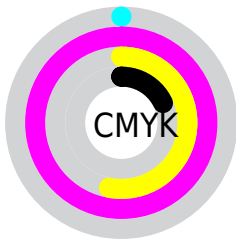
Distribution



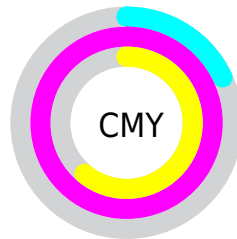
- Red (82%)
- Green (1%)
- Blue (39%)



- Red (82%)
- Yellow (1%)
- Blue (39%)



- Cyan (0%)
- Magenta (99%)
- Yellow (53%)
- Black (18%)




- Cyan (18%)
- Magenta (99%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 72.614, 4.977 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 45, 72.614, 4.977 by changing the saturation by 10% instead.

 45, 72.614, 4.977  45, 72.614, 4.977


 100, 72.614, 4.977  35, 72.614, 4.977

 65, 72.614, 4.977  25, 72.614, 4.977


 75, 72.614, 4.977  15, 72.614, 4.977

 85, 72.614, 4.977  5, 72.614, 4.977

 95, 72.614, 4.977  0, 72.614, 4.977

 45, 72.614, 4.977  45, 72.614, 4.977

 45, 72.755, 5.376  46, 70.939, 0.781

 48, 67.554,
357.369

■ 51, 62.157,
354.679

■ 54, 55.015,
352.540

■ 58, 46.591,
350.804

■ 63, 37.373,
349.359

■ 68, 27.770,
348.125

■ 73, 18.080,
347.046

■ 79, 8.504, 346.071

Harmonies

Complementary

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



45, 72.614, 4.977



74, 74.185, 150.736

Rectangle

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



45, 72.614, 4.977



45, 72.614, 54.977



45, 72.614, 184.977



45, 72.614, 234.977

Sweetspot

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



45, 72.610, 4.978



81, 33.649, 348.271



34, 106.826, 312.240



40, 22.984, 348.784



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 72.610, 4.978



55, 84.429, 5.966



44, 89.355, 39.908



41, 5.312, 346.102



36, 61.890, 4.598



5, 21.521, 355.909

Inverse Universe

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



45, 72.610, 4.978



55, 84.429, 5.966



75, 42.120, 199.016



41, 5.312, 346.102



36, 61.890, 4.598



5, 21.521, 355.909

Previews

White Background



This preview shows how the CIELCh color 45, 72.614, 4.977 looks on a white background.

Color Contrast Check

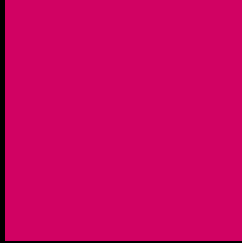
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 72.614, 4.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

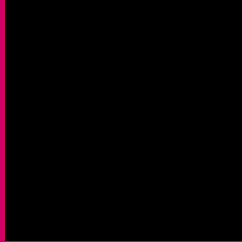
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 72.614, 4.977

Background



This preview shows how black text looks on a background with the CIELCh color 45, 72.614, 4.977.

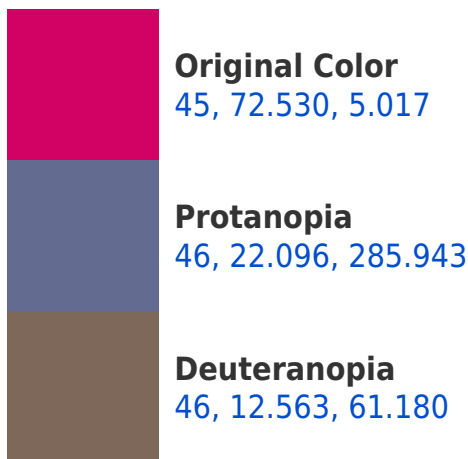


This preview shows how white text looks on a background with the CIELCh color 45, 72.614, 4.977.

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





Tritanopia
46, 76.274, 34.505

Trichromacy



Original Color
45, 72.530, 5.017



Protanomaly
40, 43.137, 332.128



Deuteranomaly
41, 39.873, 4.565



Tritanomaly
45, 73.363, 24.042

Monochromacy



Original Color
45, 72.530, 5.017



Achromatopsia
32, 0.005, 296.813



Achromatomaly
32, 37.336, 352.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 72.614, 4.977 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, 2, 99)` looks like.

```
.text, #text, p{  
    color:rgb(209, 2, 99)  
}
```

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, 2, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 2, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 72.614, 4.977 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, 2, 99) }
```

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

```
.border{ border-color:rgb(209, 2, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 2, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 2, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 2, 99);  
box-shadow:4px 4px 4px 4px rgb(209, 2, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 72.614, 4.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 2, 99) }
```

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

```
.background{ background-color: rgb(209, 2,  
99) }
```

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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