

Converting Colors

CIELCh(30, 118.692, 355.727)

Have a look what the booklet for
CIELCh(30, 118.692, 355.727)
contains.

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Color

CIELCh(45, 72.779, 9.619)

Conversions

Conversions Part 1

Format	Color
Hex	D2045A
RGB	210, 4, 90
RGB Percent	82%, 2%, 35%
CMY	0.1758, 0.9855, 0.6475
CMYK	0.00, 0.98, 0.57, 0.18
HSL	335°, 97%, 42%
HSV	335°, 98%, 82%
XYZ	28.5065, 14.5417, 10.9516
YIQ	75.3980, 95.1700, 70.4180

Conversions

Conversions Part 2

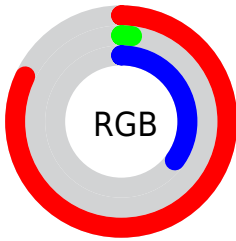
Format	Color
R_{YB}	210, 4, 90
Decimal	13763674
CIE Lab	45.00, 71.76, 12.16
CIE LCh	45, 72.779, 9.619
Yxy	14.5417, 0.5279, 0.2693
Android (android.graphics.Color)	4291953754 (0xFFD2045A)
YUV	75.3980, 7.1988, 118.0460
Hunter-Lab	38.1336, 66.7027, 9.6660

Details

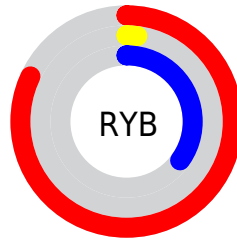
The CIELCh color **45, 72.779, 9.619** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **75, 69.946, 153.868**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.588, 6.275**, and **31, 58.020, 19.649** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.159, 10.460**, and if you desaturate by 10%, it is **46, 70.473, 4.994**.

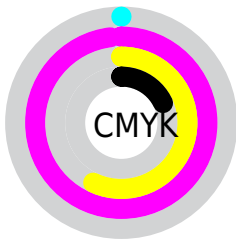
Distribution



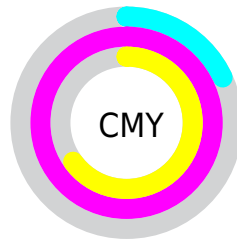
- Red (82%)
- Green (2%)
- Blue (35%)



- Red (82%)
- Yellow (2%)
- Blue (35%)



- Cyan (0%)
- Magenta (98%)
- Yellow (57%)
- Black (18%)



- Cyan (18%)
- Magenta (99%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 72.779, 9.619 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, 72.779, 9.619 by changing the saturation by 10% instead.

 45, 72.779, 9.619  45, 72.779, 9.619

 100, 72.779, 9.619  35, 72.779, 9.619

 65, 72.779, 9.619  25, 72.779, 9.619

 75, 72.779, 9.619  15, 72.779, 9.619

 85, 72.779, 9.619  5, 72.779, 9.619

 95, 72.779, 9.619  0, 72.779, 9.619

 45, 72.779, 9.619  45, 72.779, 9.619

 45, 73.159, 10.460  46, 70.473, 4.994

 48, 66.552, 1.238

 51, 60.782,

358.277

■ 55, 53.422,
355.935

■ 59, 44.923,
354.050

■ 64, 35.748,
352.497

■ 69, 26.282,
351.184

■ 74, 16.803,
350.048

■ 80, 7.488, 349.026

Harmonies

Complementary

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



45, 72.779, 9.619



75, 69.946, 153.868

Rectangle

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



45, 72.779, 9.619



45, 72.779, 59.619



45, 72.779, 189.619



45, 72.779, 239.619

Sweetspot

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



45, 72.775, 9.621



81, 31.593, 351.316



36, 105.713, 313.533



41, 21.732, 351.866



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, 72.775, 9.621



54, 84.726, 11.095



44, 88.462, 40.222



41, 5.140, 349.142



36, 61.942, 9.584



5, 21.113, 359.085

Inverse Universe

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



45, 72.775, 9.621



54, 84.726, 11.095



72, 39.698, 207.647



41, 5.140, 349.142



36, 61.942, 9.584



5, 21.113, 359.085

Previews

White Background



This preview shows how the CIELCh color 45, 72.779, 9.619 looks on a white background.

Color Contrast Check

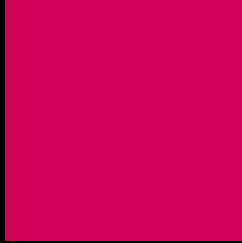
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.779, 9.619 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, 72.779, 9.619

Background



This preview shows how black text looks on a background with the CIELCh color 45, 72.779, 9.619.



This preview shows how white text looks on a background with the CIELCh color 45, 72.779, 9.619.

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

45, 72.699, 9.545

Protanopia

46, 14.332, 286.214

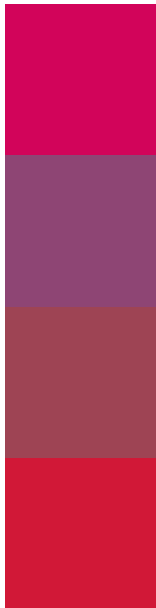
Deuteranopia

46, 17.639, 69.925



Tritanopia
45, 78.377, 35.219

Trichromacy



Original Color
45, 72.699, 9.545

Protanomaly
40, 39.216, 340.915

Deuteranomaly
41, 40.048, 13.298

Tritanomaly
45, 75.250, 26.481

Monochromacy



Original Color
45, 72.699, 9.545

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 36.033, 356.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 72.779, 9.619 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(210, 4, 90)` looks like.

```
.text, #text, p{  
    color:rgb(210, 4, 90)  
}
```

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(210, 4, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 4, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 72.779, 9.619 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(210, 4, 90) }
```

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

```
.border{ border-color:rgb(210, 4, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 4, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 4, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 4, 90);  
box-shadow:4px 4px 4px 4px rgb(210, 4, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 72.779, 9.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 4, 90) }
```

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

```
.background{ background-color: rgb(210, 4,  
90) }
```

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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