

Converting Colors

CIELCh(45, 72.695, 7.326)

Have a look what the booklet for
CIELCh(45, 72.695, 7.326) contains.

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Color

CIELCh(45, 72.768, 7.584)

Conversions

Conversions Part 1

Format	Color
Hex	D2025E
RGB	210, 2, 94
RGB Percent	82%, 1%, 37%
CMY	0.1767, 0.9926, 0.6315
CMYK	0.00, 0.99, 0.55, 0.18
HSL	333°, 98%, 42%
HSV	333°, 99%, 82%
XYZ	28.6026, 14.5417, 11.8800
YIQ	74.6800, 94.4360, 72.7080

Conversions

Conversions Part 2

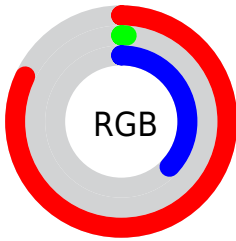
Format	Color
R_{YB}	210, 2, 94
Decimal	13763166
CIE _{Lab}	45.00, 72.13, 9.60
CIE _{LCh}	45, 72.768, 7.584
Yxy	14.5417, 0.5198, 0.2643
Android (android.graphics.Color)	4291953246 (0xFFD2025E)
YUV	74.6800, 9.5248, 118.6756
Hunter-Lab	38.1336, 67.1526, 8.2226

Details

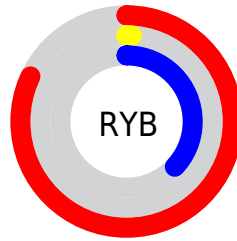
The CIELCh color **45, 72.768, 7.584** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **74, 72.241, 152.206**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.128, 4.188**, and **31, 57.409, 17.174** is the 20% darker color. If you saturate the color by 10%, you get **45, 72.934, 7.997**, and if you desaturate by 10%, it is **46, 70.820, 3.131**.

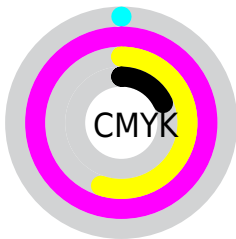
Distribution



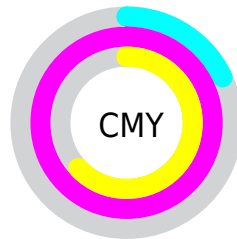
- Red (82%)
- Green (1%)
- Blue (37%)



- Red (82%)
- Yellow (1%)
- Blue (37%)



- Cyan (0%)
- Magenta (99%)
- Yellow (55%)
- Black (18%)



- Cyan (18%)
- Magenta (99%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 72.768, 7.584 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, 72.768, 7.584 by changing the saturation by 10% instead.

 45, 72.768, 7.584  45, 72.768, 7.584

 100, 72.768, 7.584  35, 72.768, 7.584

 65, 72.768, 7.584  25, 72.768, 7.584

 75, 72.768, 7.584  15, 72.768, 7.584

 85, 72.768, 7.584  5, 72.768, 7.584

 95, 72.768, 7.584  0, 72.768, 7.584

 45, 72.768, 7.584  45, 72.768, 7.584

 45, 72.934, 7.997  46, 70.820, 3.131

 48, 67.255,
359.497

51, 61.755,
356.633

54, 54.567,
354.363

58, 46.147,
352.532

63, 36.972,
351.018

68, 27.443,
349.733

74, 17.855,
348.618

79, 8.399, 347.614

Harmonies

Complementary

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



45, 72.768, 7.584



74, 72.241, 152.206

Rectangle

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



45, 72.768, 7.584



45, 72.768, 57.584



45, 72.768, 187.584



45, 72.768, 237.584

Sweetspot

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



45, 72.764, 7.586



81, 33.148, 349.882



35, 106.337, 313.052



40, 22.653, 350.415



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, 72.764, 7.586



54, 84.482, 8.609



44, 89.149, 40.220



41, 5.221, 347.644



36, 61.848, 7.163



5, 21.299, 357.568

Inverse Universe

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



45, 72.764, 7.586



54, 84.482, 8.609



73, 40.445, 204.692



41, 5.221, 347.644



36, 61.848, 7.163



5, 21.299, 357.568

Previews

White Background



This preview shows how the CIELCh color 45, 72.768, 7.584 looks on a white background.

Color Contrast Check

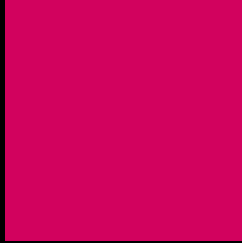
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.768, 7.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

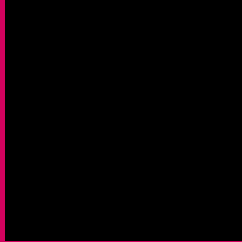
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 72.768, 7.584

Background



This preview shows how black text looks on a background with the CIELCh color 45, 72.768, 7.584.



This preview shows how white text looks on a background with the CIELCh color 45, 72.768, 7.584.

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, 72.768, 7.584

Protanopia

46, 17.340, 285.368

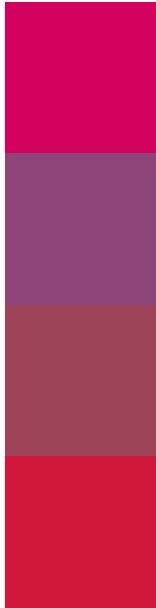
Deuteranopia

46, 15.439, 66.430



Tritanopia
45, 77.679, 34.729

Trichromacy



Original Color
45, 72.768, 7.584

Protanomaly
40, 40.763, 337.125

Deuteranomaly
41, 40.045, 9.118

Tritanomaly
45, 74.593, 25.235

Monochromacy



Original Color
45, 72.768, 7.584

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 36.924, 353.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 72.768, 7.584 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, 2, 94)` looks like.

```
.text, #text, p{  
    color:rgb(210, 2, 94)  
}
```

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, 2, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 2, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 72.768, 7.584 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, 2, 94) }
```

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

```
.border{ border-color:rgb(210, 2, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 2, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 2, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 2, 94);  
box-shadow:4px 4px 4px 4px rgb(210, 2, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 72.768, 7.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 2, 94) }
```

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

```
.background{ background-color: rgb(210, 2,  
94) }
```

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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