

Converting Colors

CIELCh(45, 73.389, 8.301)

Have a look what the booklet for
CIELCh(45, 73.389, 8.301) contains.

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Color

CIELCh(45, 73.237, 8.653)

Conversions

Conversions Part 1

Format	Color
Hex	D3005C
RGB	211, 0, 92
RGB Percent	83%, 0%, 36%
CMY	0.1739, 1.0000, 0.6403
CMYK	0.00, 1.00, 0.56, 0.17
HSL	334°, 100%, 41%
HSV	334°, 100%, 83%
XYZ	28.6723, 14.5417, 11.3602
YIQ	73.5770, 96.2240, 73.3440

Conversions

Conversions Part 2

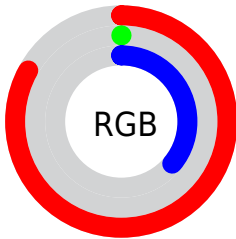
Format	Color
R_{YB}	211, 0, 92
Decimal	13828188
CIE Lab	45.00, 72.40, 11.02
CIE LCh	45, 73.237, 8.653
Yxy	14.5417, 0.5254, 0.2665
Android (android.graphics.Color)	4292018268 (0xFFD3005C)
YUV	73.5770, 9.0825, 120.5200
Hunter-Lab	38.1336, 67.4788, 9.0307

Details

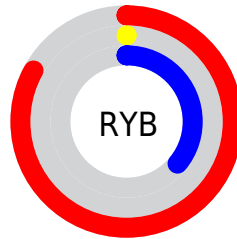
The CIELCh color **45, 73.237, 8.653** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **75, 72.231, 152.411**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.031, 5.124**, and **31, 58.042, 18.650** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.148, 8.700**, and if you desaturate by 10%, it is **46, 71.179, 4.138**.

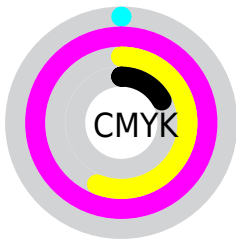
Distribution



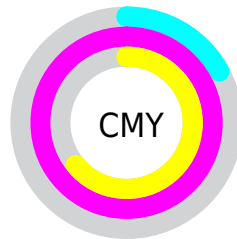
- Red (83%)
- Green (0%)
- Blue (36%)



- Red (83%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 73.237, 8.653 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, 73.237, 8.653 by changing the saturation by 10% instead.

 45, 73.237, 8.653	 45, 73.237, 8.653
 100, 73.237, 8.653	 35, 73.237, 8.653
 65, 73.237, 8.653	 25, 73.237, 8.653
 75, 73.237, 8.653	 15, 73.237, 8.653
 85, 73.237, 8.653	 5, 73.237, 8.653
 95, 73.237, 8.653	 0, 73.237, 8.653

 45, 73.237, 8.653	 45, 73.237, 8.653
 45, 73.148, 8.700	 46, 71.179, 4.138
	 48, 67.728, 0.366
	 51, 62.353,

357.393

■ 54, 55.270,
355.041

■ 58, 46.921,
353.149

■ 63, 37.785,
351.592

■ 68, 28.273,
350.276

■ 73, 18.686,
349.137

■ 79, 9.224, 348.119

Harmonies

Complementary

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



45, 73.237, 8.653



75, 72.231, 152.411

Rectangle

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



45, 73.237, 8.653



45, 73.237, 58.653



45, 73.237, 188.653



45, 73.237, 238.653

Sweetspot

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



45, 73.148, 8.700



81, 33.021, 350.316



35, 106.970, 312.996



40, 22.569, 350.855



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, 73.148, 8.700



54, 84.532, 9.308



44, 89.886, 40.447



41, 5.198, 348.061



36, 61.861, 7.843



5, 21.244, 357.999

Inverse Universe

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



45, 73.148, 8.700



54, 84.532, 9.308



74, 40.576, 204.761



41, 5.198, 348.061



36, 61.861, 7.843



5, 21.244, 357.999

Previews

White Background



This preview shows how the CIELCh color 45, 73.237, 8.653 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, 73.237, 8.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

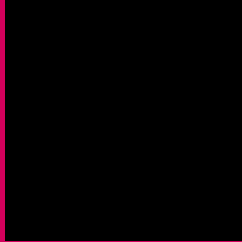
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 73.237, 8.653

Background



This preview shows how black text looks on a background with the CIELCh color 45, 73.237, 8.653.



This preview shows how white text looks on a background with the CIELCh color 45, 73.237, 8.653.

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, 73.237, 8.653

Protanopia

46, 14.930, 285.140

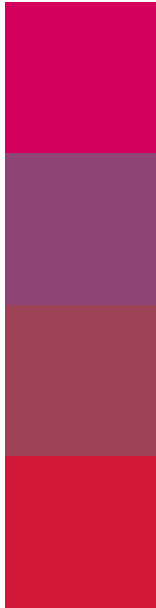
Deuteranopia

46, 16.685, 67.723



Tritanopia
45, 78.225, 35.367

Trichromacy



Original Color
45, 73.237, 8.653

Protanomaly
40, 39.902, 339.551

Deuteranomaly
41, 40.873, 10.578

Tritanomaly
45, 75.027, 26.069

Monochromacy



Original Color
45, 73.237, 8.653

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 37.265, 354.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 73.237, 8.653 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(211, 0, 92)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 92)  
}
```

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(211, 0, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 73.237, 8.653 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(211, 0, 92) }
```

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

```
.border{ border-color:rgb(211, 0, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 73.237, 8.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 92) }
```

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

```
.background{ background-color: rgb(211, 0,  
92) }
```

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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