

Converting Colors

CIELCh(45, 73.143, 12.521)

Have a look what the booklet for
CIELCh(45, 73.143, 12.521) contains.

CIELCh(45, 73.231, 12.602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 73.231, 12.602)

Conversions

Conversions Part 1

Format	Color
Hex	D30454
RGB	211, 4, 84
RGB Percent	83%, 2%, 33%
CMY	0.1735, 0.9832, 0.6713
CMYK	0.00, 0.98, 0.60, 0.17
HSL	337°, 96%, 42%
HSV	337°, 98%, 83%
XYZ	28.4327, 14.5417, 9.6581
YIQ	75.0130, 97.6920, 68.7640

Conversions

Conversions Part 2

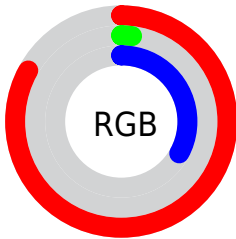
Format	Color
R_{YB}	211, 4, 84
Decimal	13829204
CIE _{Lab}	45.00, 71.47, 15.98
CIE _{LCh}	45, 73.231, 12.602
Yxy	14.5417, 0.5402, 0.2763
Android (android.graphics.Color)	4292019284 (0xFFD30454)
YUV	75.0130, 4.4306, 119.2606
Hunter-Lab	38.1336, 66.3574, 11.6771

Details

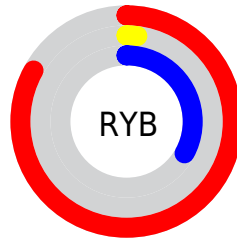
The CIELCh color **45, 73.231, 12.602** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **75, 67.429, 155.946**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.502, 9.603**, and **31, 59.310, 22.839** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.764, 13.620**, and if you desaturate by 10%, it is **46, 70.491, 7.741**.

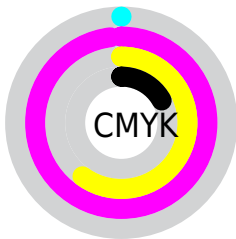
Distribution



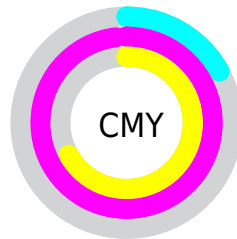
- Red (83%)
- Green (2%)
- Blue (33%)



- Red (83%)
- Yellow (2%)
- Blue (33%)



- Cyan (0%)
- Magenta (98%)
- Yellow (60%)
- Black (17%)



- Cyan (17%)
- Magenta (98%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 73.231, 12.602 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, 73.231, 12.602 by changing the saturation by 10% instead.

 45, 73.231, 12.602

 45, 73.231, 12.602

 100, 73.231,
12.602

 35, 73.231, 12.602

 65, 73.231, 12.602

 25, 73.231, 12.602

 75, 73.231, 12.602

 15, 73.231, 12.602

 85, 73.231, 12.602

 5, 73.231, 12.602

 95, 73.231, 12.602

 0, 73.231, 12.602

 45, 73.231, 12.602

 45, 73.231, 12.602

 45, 73.764, 13.620

 46, 70.491, 7.741

 48, 66.236, 3.775

■ 51, 60.240, 0.645

■ 55, 52.748,
358.174

■ 59, 44.199,
356.194

■ 64, 35.042,
354.573

■ 69, 25.649,
353.212

■ 74, 16.283,
352.041

■ 80, 7.112, 350.991

Harmonies

Complementary

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



45, 73.231, 12.602



75, 67.429, 155.946

Rectangle

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



45, 73.231, 12.602



45, 73.231, 62.602



45, 73.231, 192.602



45, 73.231, 242.602

Sweetspot

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



45, 73.227, 12.604



81, 31.076, 353.382



37, 105.116, 314.442



41, 21.392, 353.954



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, 73.227, 12.604



54, 85.314, 14.273



45, 87.804, 40.686



41, 5.041, 351.139



35, 62.254, 12.692



5, 20.904, 0.971

Inverse Universe

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



45, 73.227, 12.604



54, 85.314, 14.273



71, 38.576, 214.019



41, 5.041, 351.139



35, 62.254, 12.692



5, 20.904, 0.971

Previews

White Background



This preview shows how the CIELCh color 45, 73.231, 12.602 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, 73.231, 12.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

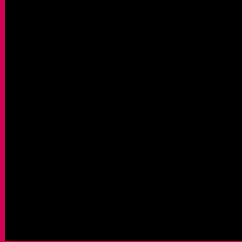
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 73.231, 12.602

Background



This preview shows how black text looks on a background with the CIELCh color 45, 73.231, 12.602.



This preview shows how white text looks on a background with the CIELCh color 45, 73.231, 12.602.

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, 73.308, 12.555

Protanopia

46, 8.350, 286.020

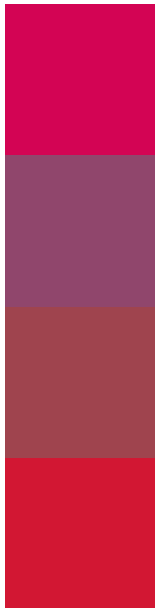
Deuteranopia

46, 20.899, 74.106



Tritanopia
45, 79.856, 35.885

Trichromacy



Original Color
45, 73.308, 12.555

Protanomaly
40, 36.743, 348.184

Deuteranomaly
41, 40.865, 18.534

Tritanomaly
45, 76.655, 28.087

Monochromacy



Original Color
45, 73.308, 12.555

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 35.714, 358.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 73.231, 12.602 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, 4, 84)` looks like.

```
.text, #text, p{  
    color:rgb(211, 4, 84)  
}
```

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, 4, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 4, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 73.231, 12.602 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, 4, 84) }
```

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

```
.border{ border-color:rgb(211, 4, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 4, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 4, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 4, 84);  
box-shadow:4px 4px 4px 4px rgb(211, 4, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 73.231, 12.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 4, 84) }
```

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

```
.background{ background-color: rgb(211, 4,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor