

Converting Colors

CIELCh(45, 92.107, 39.691)

Have a look what the booklet for
CIELCh(45, 92.107, 39.691) contains.

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Color

CIELCh(45, 92.058, 39.841)

Conversions

Conversions Part 1

Format	Color
Hex	D80001
RGB	216, 0, 1
RGB Percent	85%, 0%, 0%
CMY	0.1540, 1.0000, 0.9969
CMYK	0.00, 1.00, 1.00, 0.15
HSL	360°, 100%, 42%
HSV	360°, 100%, 85%
XYZ	28.2337, 14.5417, 1.3417
YIQ	64.6980, 128.4150, 46.1030

Conversions

Conversions Part 2

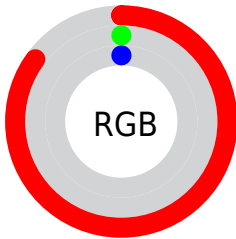
Format	Color
RYB	216, 0, 1
Decimal	14155777
CIELab	45.00, 70.68, 58.98
CIElCh	45, 92.058, 39.841
Yxy	14.5417, 0.6400, 0.3296
Android (android.graphics.Color)	4292345857 (0xFFD80001)
YUV	64.6980, -31.4031, 132.6919
Hunter-Lab	38.1336, 65.4254, 24.6075

Details

The CIELCh color **45, 92.058, 39.841** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **78, 44.289, 195.814**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.147, 40.393**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 92.010, 39.873**, and if you desaturate by 10%, it is **46, 86.256, 37.298**.

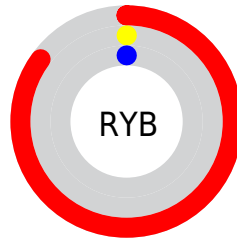
Distribution



Red (85%)

Green (0%)

Blue (0%)



Red (85%)

Yellow (0%)

Blue (0%)

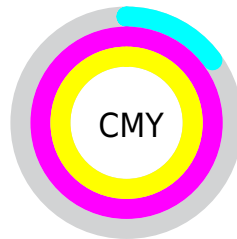


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 92.058, 39.841 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, 92.058, 39.841 by changing the saturation by 10% instead.

 45, 92.058, 39.841

 45, 92.058, 39.841

 100, 92.058,
39.841

 35, 92.058, 39.841

 65, 92.058, 39.841

 25, 92.058, 39.841

 75, 92.058, 39.841

 15, 92.058, 39.841

 85, 92.058, 39.841

 5, 92.058, 39.841

 95, 92.058, 39.841

 0, 92.058, 39.841

 45, 92.058, 39.841

 45, 92.058, 39.841

 45, 92.010, 39.873

 46, 86.256, 37.298

 48, 77.776, 33.781

■ 50, 67.817, 30.265

■ 54, 57.265, 27.269

■ 58, 46.598, 24.886

■ 63, 36.158, 23.044

■ 69, 26.182, 21.632

■ 74, 16.805, 20.543

■ 80, 8.080, 19.676

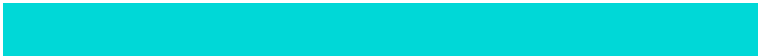
Harmonies

Complementary

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



45, 92.058, 39.841



78, 44.289, 195.814

Rectangle

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



45, 92.058, 39.841



45, 92.058, 89.841



45, 92.058, 219.841



45, 92.058, 269.841

Sweetspot

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



45, 92.010, 39.873



80, 30.018, 21.667



51, 101.933, 327.568



40, 20.797, 22.227



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, 92.010, 39.873



53, 104.426, 39.897



57, 75.846, 58.820



42, 4.549, 19.630



35, 77.190, 39.749



5, 21.996, 19.602

Inverse Universe

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



45, 92.010, 39.873



53, 104.426, 39.897



48, 62.172, 282.894



42, 4.549, 19.630



35, 77.190, 39.749



5, 21.996, 19.602

Previews

White Background



This preview shows how the CIELCh color 45, 92.058, 39.841 looks on a white background.

Color Contrast Check

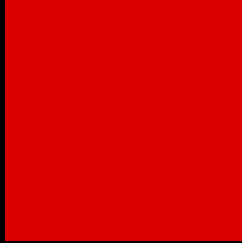
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.058, 39.841 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, 92.058, 39.841

Background



This preview shows how black text looks on a background with the CIELCh color 45, 92.058, 39.841.



This preview shows how white text looks on a background with the CIELCh color 45, 92.058, 39.841.

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, 92.058, 39.841

Protanopia

46, 44.488, 95.692

Deuteranopia

46, 52.957, 84.122

Trichromacy



Original Color
45, 92.058, 39.841

Protanomaly
40, 55.958, 53.144

Deuteranomaly
41, 64.820, 53.294

Monochromacy



Original Color
45, 92.058, 39.841

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 38.968, 27.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 92.058, 39.841 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(216, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 1)  
}
```

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(216, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 92.058, 39.841 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(216, 0, 1) }
```

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

```
.border{ border-color:rgb(216, 0, 1) }
```

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

Here you see how a box with a 4 pixel rgb(216, 0, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(216, 0, 1); box-shadow:4px  
4px 4px 4px rgb(216, 0, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 92.058, 39.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 1) }
```

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

```
.background{ background-color: rgb(216, 0,  
1) }
```

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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