

Converting Colors

CIELCh(45, 91.480, 39.189)

Have a look what the booklet for
CIELCh(45, 91.480, 39.189) contains.

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Color

CIELCh(45, 91.282, 39.221)

Conversions

Conversions Part 1

Format	Color
Hex	D80005
RGB	216, 0, 5
RGB Percent	85%, 0%, 2%
CMY	0.1542, 1.0000, 0.9814
CMYK	0.00, 1.00, 0.98, 0.15
HSL	359°, 100%, 42%
HSV	359°, 100%, 85%
XYZ	28.2420, 14.5417, 1.4544
YIQ	65.1540, 127.1310, 47.3470

Conversions

Conversions Part 2

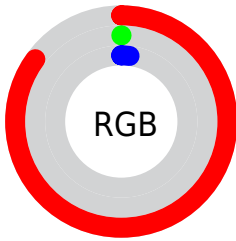
Format	Color
RYB	216, 0, 5
Decimal	14155781
CIELab	45.00, 70.72, 57.72
CIELCh	45, 91.282, 39.221
Yxy	14.5417, 0.6384, 0.3287
Android (android.graphics.Color)	4292345861 (0xFFD80005)
YUV	65.1540, -29.6559, 132.2919
Hunter-Lab	38.1336, 65.4645, 24.4323

Details

The CIELCh color **45, 91.282, 39.221** 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, 44.921, 193.036**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 80.574, 39.839**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 91.227, 39.258**, and if you desaturate by 10%, it is **46, 85.370, 36.456**.

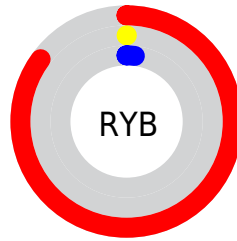
Distribution



Red (85%)

Green (0%)

Blue (2%)



Red (85%)

Yellow (0%)

Blue (2%)

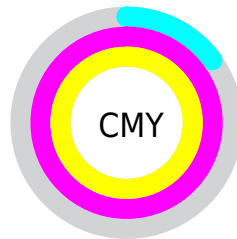


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (15%)



Cyan (15%)

Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 91.282, 39.221 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, 91.282, 39.221 by changing the saturation by 10% instead.

 45, 91.282, 39.221  45, 91.282, 39.221

 100, 91.282,
39.221  35, 91.282, 39.221

 65, 91.282, 39.221  25, 91.282, 39.221

 75, 91.282, 39.221  15, 91.282, 39.221

 85, 91.282, 39.221  5, 91.282, 39.221

 95, 91.282, 39.221  0, 91.282, 39.221

 45, 91.282, 39.221  45, 91.282, 39.221

 45, 91.227, 39.258  46, 85.370, 36.456

 48, 76.919, 32.693

■ 50, 67.157, 29.063

■ 54, 56.810, 26.005

■ 58, 46.312, 23.576

■ 63, 35.996, 21.694

■ 69, 26.105, 20.241

■ 74, 16.779, 19.110

■ 80, 8.077, 18.200

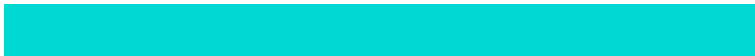
Harmonies

Complementary

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



45, 91.282, 39.221



78, 44.921, 193.036

Rectangle

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



45, 91.282, 39.221



45, 91.282, 89.221



45, 91.282, 219.221



45, 91.282, 269.221

Sweetspot

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



45, 91.227, 39.258



80, 29.933, 20.277



50, 102.009, 326.907



40, 20.725, 20.855



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, 91.227, 39.258



53, 103.713, 39.397



56, 76.431, 57.510



42, 4.549, 18.150



35, 76.417, 39.002



5, 21.982, 18.788

Inverse Universe

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



45, 91.227, 39.258



53, 103.713, 39.397



49, 60.076, 281.118



42, 4.549, 18.150



35, 76.417, 39.002



5, 21.982, 18.788

Previews

White Background



This preview shows how the CIELCh color 45, 91.282, 39.221 looks on a white background.

Color Contrast Check

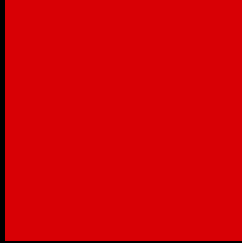
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.282, 39.221 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, 91.282, 39.221

Background



This preview shows how black text looks on a background with the CIELCh color 45, 91.282, 39.221.



This preview shows how white text looks on a background with the CIELCh color 45, 91.282, 39.221.

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, 91.282, 39.221

Protanopia

46, 44.488, 95.692

Deuteranopia

46, 52.957, 84.122



Tritanopia
45, 90.242, 40.945

Trichromacy



Original Color
45, 91.282, 39.221

Protanomaly
40, 55.366, 52.619

Deuteranomaly
41, 64.336, 52.939

Tritanomaly
45, 90.744, 40.225

Monochromacy



Original Color
45, 91.282, 39.221

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 38.748, 26.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 91.282, 39.221 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 91.282, 39.221 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, 5) }
```

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

```
.border{ border-color:rgb(216, 0, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(216, 0, 5); box-shadow:4px  
4px 4px 4px rgb(216, 0, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 91.282, 39.221 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, 5) }
```

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

```
.background{ background-color: rgb(216, 0,  
5) }
```

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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