

Converting Colors

CIELCh(45, 91.223, 40.308)

Have a look what the booklet for
CIELCh(45, 91.223, 40.308) contains.

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Color

CIELCh(45, 91.131, 40.327)

Conversions

Conversions Part 1

Format	Color
Hex	D60900
RGB	214, 9, 0
RGB Percent	84%, 4%, 0%
CMY	0.1595, 0.9646, 0.9990
CMYK	0.00, 0.96, 1.00, 0.16
HSL	2°, 100%, 42%
HSV	2°, 100%, 84%
XYZ	27.9277, 14.5417, 1.3419
YIQ	69.2690, 125.0690, 40.6610

Conversions

Conversions Part 2

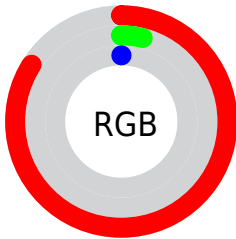
Format	Color
RYB	214, 9, 0
Decimal	14027008
CIELab	45.00, 69.47, 58.98
CIELCh	45, 91.131, 40.327
Yxy	14.5417, 0.6375, 0.3319
Android (android.graphics.Color)	4292217088 (0xFFD60900)
YUV	69.2690, -34.1496, 126.9291
Hunter-Lab	38.1336, 63.9932, 24.6072

Details

The CIELCh color **45, 91.131, 40.327** 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 **75, 41.556, 203.162**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 81.227, 40.924**, and **30, 69.440, 39.398** is the 20% darker color. If you saturate the color by 10%, you get **45, 91.192, 40.358**, and if you desaturate by 10%, it is **46, 85.038, 38.142**.

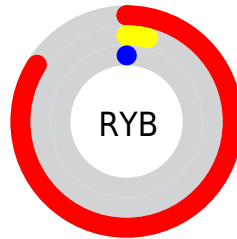
Distribution



Red (84%)

Green (4%)

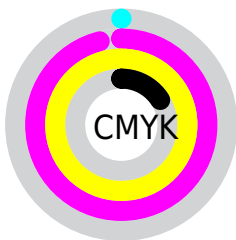
Blue (0%)



Red (84%)

Yellow (4%)

Blue (0%)

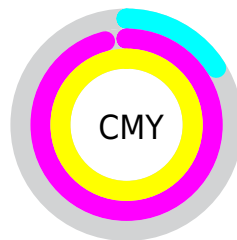


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 91.131, 40.327 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, 91.131, 40.327 by changing the saturation by 10% instead.


 45, 91.131, 40.327

 45, 91.131, 40.327


 100, 91.131,
40.327


 35, 91.131, 40.327

 65, 91.131, 40.327


 25, 91.131, 40.327

 75, 91.131, 40.327

 15, 91.131, 40.327

 85, 91.131, 40.327

 5, 91.131, 40.327

 95, 91.131, 40.327

 0, 91.131, 40.327

 45, 91.131, 40.327

 45, 91.131, 40.327

 45, 91.192, 40.358

 46, 85.038, 38.142

 48, 76.184, 35.232

■ 51, 65.981, 32.273

■ 55, 55.370, 29.735

■ 59, 44.823, 27.714

■ 64, 34.636, 26.159

■ 69, 24.992, 24.978

■ 74, 15.982, 24.084

■ 80, 7.631, 23.384

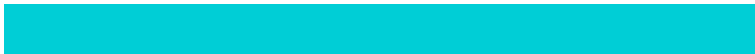
Harmonies

Complementary

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



45, 91.131, 40.327



75, 41.556, 203.162

Rectangle

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



45, 91.131, 40.327



45, 91.131, 90.327



45, 91.131, 220.327



45, 91.131, 270.327

Sweetspot

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



45, 91.128, 40.329



81, 28.931, 25.021



51, 98.710, 329.614



40, 20.064, 25.488



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, 91.128, 40.329



53, 104.086, 40.288



58, 73.905, 63.041



42, 4.370, 23.354



36, 76.786, 40.401



5, 21.425, 21.779

Inverse Universe

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



75, 41.556, 203.162



88, 47.358, 203.240



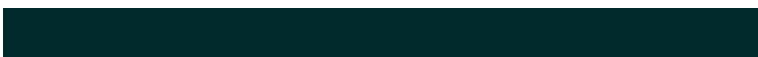
44, 68.270, 287.582



44, 4.114, 202.672



61, 35.126, 203.058



14, 13.906, 201.778

Previews

White Background



This preview shows how the CIELCh color 45, 91.131, 40.327 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, 91.131, 40.327 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, 91.131, 40.327

Background



This preview shows how black text looks on a background with the CIELCh color 45, 91.131, 40.327.



This preview shows how white text looks on a background with the CIELCh color 45, 91.131, 40.327.

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, 91.071, 40.368

Protanopia

46, 44.488, 95.692

Deuteranopia

46, 52.777, 84.625



Tritanopia
45, 89.911, 40.955

Trichromacy



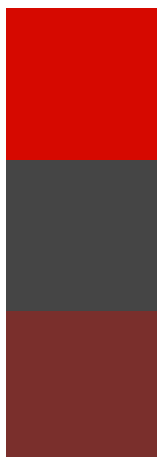
Original Color
45, 91.071, 40.368

Protanomaly
41, 55.272, 55.306

Deuteranomaly
41, 63.446, 54.907

Tritanomaly
45, 90.262, 40.707

Monochromacy



Original Color
45, 91.071, 40.368

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 37.496, 29.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 91.131, 40.327 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(214, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 9, 0)  
}
```

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(214, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 9, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 91.131, 40.327 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(214, 9, 0) }
```

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

```
.border{ border-color:rgb(214, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(214, 9, 0); box-shadow:4px  
4px 4px 4px rgb(214, 9, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 91.131, 40.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 9, 0) }
```

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

```
.background{ background-color: rgb(214, 9,  
0) }
```

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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