

Converting Colors

CIELCh(45, 88.266, 41.253)

Have a look what the booklet for
CIELCh(45, 88.266, 41.253) contains.

CIELCh(45, 88.405, 41.286)	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, 88.405, 41.286)

Conversions

Conversions Part 1

Format	Color
Hex	D31A01
RGB	211, 26, 1
RGB Percent	83%, 10%, 0%
CMY	0.1734, 0.8993, 0.9967
CMYK	0.00, 0.88, 1.00, 0.17
HSL	7°, 99%, 41%
HSV	7°, 100%, 83%
XYZ	27.1672, 14.5417, 1.3988
YIQ	78.4650, 118.2850, 31.4450

Conversions

Conversions Part 2

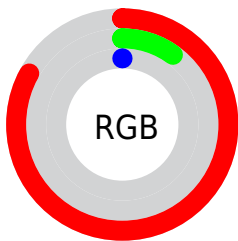
Format	Color
RYB	211, 29, 1
Decimal	13834753
CIELab	45.00, 66.43, 58.33
CIElCh	45, 88.405, 41.286
Yxy	14.5417, 0.6302, 0.3373
Android (android.graphics.Color)	4292024833 (0xFFD31A01)
YUV	78.4650, -38.1902, 116.2332
Hunter-Lab	38.1336, 60.4332, 24.5187

Details

The CIELCh color **45, 88.405, 41.286** 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 **69, 38.162, 218.077**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 79.700, 42.296**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **45, 88.655, 41.357**, and if you desaturate by 10%, it is **47, 81.538, 40.053**.

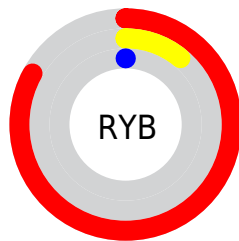
Distribution



Red (83%)

Green (10%)

Blue (0%)



Red (83%)

Yellow (11%)

Blue (0%)

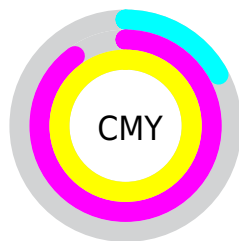


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (90%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 88.405, 41.286 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, 88.405, 41.286 by changing the saturation by 10% instead.

■ 45, 88.405, 41.286

■ 45, 88.405, 41.286

■ 100, 88.405,
41.286

■ 35, 88.405, 41.286

■ 65, 88.405, 41.286

■ 25, 88.405, 41.286

■ 75, 88.405, 41.286

■ 15, 88.405, 41.286

■ 85, 88.405, 41.286

■ 5, 88.405, 41.286

■ 95, 88.405, 41.286

■ 0, 88.405, 41.286

■ 45, 88.405, 41.286

■ 45, 88.405, 41.286

■ 45, 88.655, 41.357

■ 47, 81.538, 40.053

■ 49, 72.272, 38.189

■ 52, 61.979, 36.213

■ 56, 51.561, 34.508

■ 60, 41.441, 33.163

■ 64, 31.835, 32.159

■ 69, 22.848, 31.437

■ 74, 14.514, 30.935

■ 79, 6.822, 30.577

Harmonies

Complementary

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



45, 88.405, 41.286



69, 38.162, 218.077

Rectangle

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



45, 88.405, 41.286



45, 88.405, 91.286



45, 88.405, 221.286



45, 88.405, 271.286

Sweetspot

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



45, 88.402, 41.288



82, 27.102, 31.481



49, 91.238, 333.528



41, 18.817, 31.766



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, 88.402, 41.288



54, 102.610, 41.193



62, 71.466, 70.728



41, 4.000, 30.570



36, 74.637, 41.566



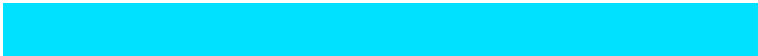
5, 18.629, 25.615

Inverse Universe

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



69, 38.162, 218.077



82, 44.041, 218.433



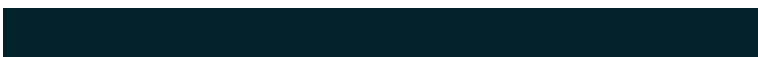
39, 78.353, 293.770



43, 3.764, 210.485



56, 32.319, 217.776



12, 12.554, 213.144

Previews

White Background



This preview shows how the CIELCh color 45, 88.405, 41.286 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, 88.405, 41.286 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, 88.405, 41.286

Background



This preview shows how black text looks on a background with the CIELCh color 45, 88.405, 41.286.



This preview shows how white text looks on a background with the CIELCh color 45, 88.405, 41.286.

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, 88.405, 41.286

Protanopia

45, 44.462, 95.634

Deuteranopia

45, 52.648, 83.976



Tritanopia
45, 85.007, 38.219

Trichromacy



Original Color
45, 88.405, 41.286

Protanomaly
42, 54.044, 58.931

Deuteranomaly
42, 62.116, 57.347

Tritanomaly
45, 86.476, 39.525

Monochromacy



Original Color
45, 88.405, 41.286

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 34.094, 34.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 88.405, 41.286 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, 26, 1)` looks like.

```
.text, #text, p{  
    color:rgb(211, 26, 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(211, 26, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 26, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 88.405, 41.286 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, 26, 1) }
```

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

```
.border{ border-color:rgb(211, 26, 1) }
```

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

Here you see how a box with a 4 pixel rgb(211, 26, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 26, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 26, 1);  
box-shadow:4px 4px 4px 4px rgb(211, 26, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 88.405, 41.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 26, 1) }
```

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

```
.background{ background-color: rgb(211, 26,  
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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