

Converting Colors

CIELCh(45, 85.392, 42.880)

Have a look what the booklet for
CIELCh(45, 85.392, 42.880) contains.

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Color

CIELCh(45, 85.227, 42.876)

Conversions

Conversions Part 1

Format	Color
Hex	CE2600
RGB	206, 38, 0
RGB Percent	81%, 15%, 0%
CMY	0.1916, 0.8502, 0.9995
CMYK	0.00, 0.81, 1.00, 0.19
HSL	11°, 100%, 40%
HSV	11°, 100%, 81%
XYZ	26.1958, 14.5417, 1.4296
YIQ	83.9000, 112.3260, 23.7980

Conversions

Conversions Part 2

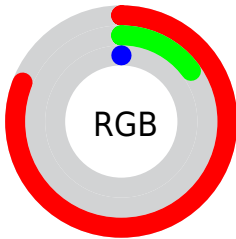
Format	Color
RYB	206, 47, 0
Decimal	13510144
CIELab	45.00, 62.46, 57.99
CIElCh	45, 85.227, 42.876
Yxy	14.5417, 0.6212, 0.3449
Android (android.graphics.Color)	4291700224 (0xFFCE2600)
YUV	83.9000, -41.3627, 107.0817
Hunter-Lab	38.1336, 55.8865, 24.4707

Details

The CIELCh color **45, 85.227, 42.876** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **64, 37.218, 232.518**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.682, 43.762**, and **29, 66.786, 39.127** is the 20% darker color. If you saturate the color by 10%, you get **45, 85.265, 42.884**, and if you desaturate by 10%, it is **47, 78.117, 42.468**.

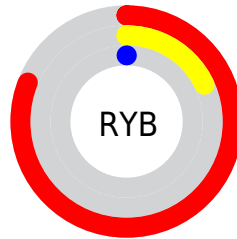
Distribution



Red (81%)

Green (15%)

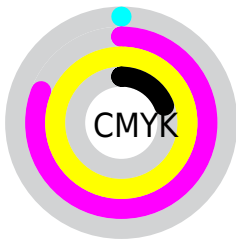
Blue (0%)



Red (81%)

Yellow (18%)

Blue (0%)

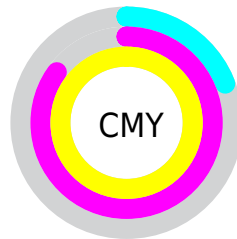


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (85%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 85.227, 42.876 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, 85.227, 42.876 by changing the saturation by 10% instead.

 45, 85.227, 42.876

 45, 85.227, 42.876

 100, 85.227,
42.876

 35, 85.227, 42.876

 65, 85.227, 42.876

 25, 85.227, 42.876

 75, 85.227, 42.876

 15, 85.227, 42.876

 85, 85.227, 42.876

 5, 85.227, 42.876

 95, 85.227, 42.876

 0, 85.227, 42.876

 45, 85.227, 42.876

 45, 85.227, 42.876

 45, 85.265, 42.884

 47, 78.117, 42.468

 49, 68.961, 41.509

■ 52, 58.925, 40.342

■ 56, 48.884, 39.319

■ 60, 39.229, 38.543

■ 64, 30.135, 38.016

■ 69, 21.670, 37.705

■ 73, 13.841, 37.563

■ 78, 6.620, 37.531

Harmonies

Complementary

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



45, 85.227, 42.876



64, 37.218, 232.518

Rectangle

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



45, 85.227, 42.876



45, 85.227, 92.876



45, 85.227, 222.876



45, 85.227, 272.876

Sweetspot

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



45, 85.224, 42.878



83, 25.850, 37.714



47, 85.271, 337.232



42, 17.953, 37.827



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, 85.224, 42.878



55, 100.473, 42.613



63, 70.376, 77.008



40, 3.737, 37.530



36, 72.122, 43.226



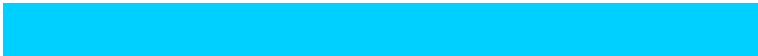
5, 16.140, 29.609

Inverse Universe

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



64, 37.218, 232.518



77, 43.726, 233.041



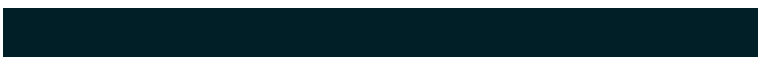
35, 86.129, 297.748



42, 3.523, 218.020



52, 31.623, 231.915



10, 11.764, 223.685

Previews

White Background



This preview shows how the CIELCh color 45, 85.227, 42.876 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, 85.227, 42.876 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, 85.227, 42.876

Background



This preview shows how black text looks on a background with the CIELCh color 45, 85.227, 42.876.



This preview shows how white text looks on a background with the CIELCh color 45, 85.227, 42.876.

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, 85.227, 42.876

Protanopia

45, 45.213, 95.656

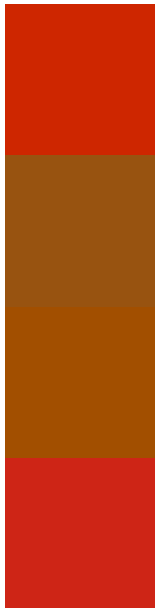
Deuteranopia

45, 52.648, 83.976



Tritanopia
45, 77.623, 35.145

Trichromacy



Original Color
45, 85.227, 42.876

Protanomaly
43, 53.023, 62.819

Deuteranomaly
43, 60.899, 59.994

Tritanomaly
45, 80.907, 38.910

Monochromacy



Original Color
45, 85.227, 42.876

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 31.939, 39.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 85.227, 42.876 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(206, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 38, 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(206, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 38, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 85.227, 42.876 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(206, 38, 0) }
```

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

```
.border{ border-color:rgb(206, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 85.227, 42.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 38, 0) }
```

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

```
.background{ background-color: rgb(206, 38,  
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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