

Converting Colors

CIELCh(45, 79.988, 27.793)

Have a look what the booklet for
CIELCh(45, 79.988, 27.793) contains.

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Color

CIELCh(45, 80.113, 27.948)

Conversions

Conversions Part 1

Format	Color
Hex	D60231
RGB	214, 2, 49
RGB Percent	84%, 1%, 19%
CMY	0.1615, 0.9902, 0.8083
CMYK	0.00, 0.99, 0.77, 0.16
HSL	347°, 98%, 42%
HSV	347°, 99%, 84%
XYZ	28.2553, 14.5417, 4.2093
YIQ	70.7460, 111.2650, 59.5610

Conversions

Conversions Part 2

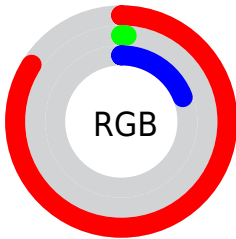
Format	Color
R_{YB}	214, 2, 49
Decimal	14025265
CIE Lab	45.00, 70.77, 37.55
CIE LCh	45, 80.113, 27.948
Yxy	14.5417, 0.6011, 0.3094
Android (android.graphics.Color)	4292215345 (0xFFD60231)
YUV	70.7460, -10.7208, 125.6338
Hunter-Lab	38.1336, 65.5267, 20.1489

Details

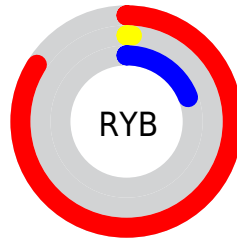
The CIELCh color **45, 80.113, 27.948** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **77, 55.705, 168.931**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 70.758, 26.700**, and **31, 68.607, 38.092** is the 20% darker color. If you saturate the color by 10%, you get **45, 80.736, 28.542**, and if you desaturate by 10%, it is **46, 74.798, 22.612**.

Distribution



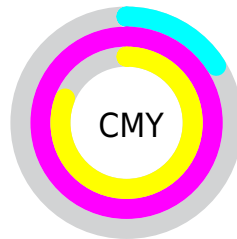
- Red (84%)
- Green (1%)
- Blue (19%)



- Red (84%)
- Yellow (1%)
- Blue (19%)



- Cyan (0%)
- Magenta (99%)
- Yellow (77%)
- Black (16%)



- Cyan (16%)
- Magenta (99%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 80.113, 27.948 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, 80.113, 27.948 by changing the saturation by 10% instead.

 45, 80.113, 27.948

 45, 80.113, 27.948

 100, 80.113,
27.948

 35, 80.113, 27.948

 65, 80.113, 27.948

 25, 80.113, 27.948


 75, 80.113, 27.948

 15, 80.113, 27.948

 85, 80.113, 27.948

 5, 80.113, 27.948

 95, 80.113, 27.948

 0, 80.113, 27.948

 45, 80.113, 27.948

 45, 80.113, 27.948

 45, 80.736, 28.542

 46, 74.798, 22.612

 48, 68.569, 17.869

■ 51, 61.189, 13.989

■ 55, 52.808, 10.909

■ 59, 43.766, 8.477

■ 64, 34.437, 6.539

■ 69, 25.131, 4.967

■ 75, 16.062, 3.662

■ 80, 7.353, 2.536

Harmonies

Complementary

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



45, 80.113, 27.948



77, 55.705, 168.931

Rectangle

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



45, 80.113, 27.948



45, 80.113, 77.948



45, 80.113, 207.948



45, 80.113, 257.948

Sweetspot

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



45, 80.110, 27.950



80, 30.248, 5.178



43, 103.356, 319.537



40, 20.797, 5.828



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, 80.110, 27.950



54, 92.688, 29.148



49, 83.712, 45.668



42, 4.736, 2.599



36, 67.788, 27.599



5, 22.086, 10.008

Inverse Universe

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



45, 80.110, 27.950



54, 92.688, 29.148



61, 40.788, 249.624



42, 4.736, 2.599



36, 67.788, 27.599



5, 22.086, 10.008

Previews

White Background



This preview shows how the CIELCh color 45, 80.113, 27.948 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, 80.113, 27.948 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, 80.113, 27.948

Background



This preview shows how black text looks on a background with the CIELCh color 45, 80.113, 27.948.



This preview shows how white text looks on a background with the CIELCh color 45, 80.113, 27.948.

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, 80.175, 27.897

Protanopia

46, 20.427, 95.692

Deuteranopia

46, 41.680, 81.598



Tritanopia
45, 87.940, 39.511

Trichromacy



Original Color
45, 80.175, 27.897

Protanomaly
40, 39.105, 29.878

Deuteranomaly
41, 52.478, 41.946

Tritanomaly
45, 85.507, 36.301

Monochromacy



Original Color
45, 80.175, 27.897

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 35.764, 11.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 80.113, 27.948 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, 2, 49)` looks like.

```
.text, #text, p{  
    color:rgb(214, 2, 49)  
}
```

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, 2, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 2, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 80.113, 27.948 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, 2, 49) }
```

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

```
.border{ border-color:rgb(214, 2, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 2, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 2, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 2, 49);  
box-shadow:4px 4px 4px 4px rgb(214, 2, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 80.113, 27.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 2, 49) }
```

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

```
.background{ background-color: rgb(214, 2,  
49) }
```

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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