

Converting Colors

CIELCh(45, 82.329, 33.689)

Have a look what the booklet for
CIELCh(45, 82.329, 33.689) contains.

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Color

CIELCh(45, 82.329, 33.689)

Conversions

Conversions Part 1

Format	Color
Hex	D41122
RGB	212, 17, 34
RGB Percent	83%, 7%, 13%
CMY	0.1681, 0.9321, 0.8663
CMYK	0.00, 0.92, 0.84, 0.17
HSL	355°, 85%, 45%
HSV	355°, 92%, 83%
XYZ	27.6833, 14.5417, 2.8678
YIQ	77.2430, 110.7630, 46.6270

Conversions

Conversions Part 2

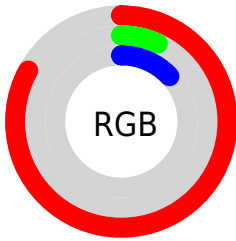
Format	Color
RYB	212, 17, 34
Decimal	13898018
CIELab	45.00, 68.50, 45.67
CIElCh	45, 82.329, 33.689
Yxy	14.5417, 0.6139, 0.3225
Android (android.graphics.Color)	4292088098 (0xFFD41122)
YUV	77.2430, -21.3188, 118.1819
Hunter-Lab	38.1336, 62.8495, 22.2347

Details

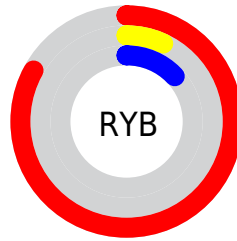
The CIELCh color **45, 82.329, 33.689** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **77, 46.343, 184.816**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 73.367, 33.469**, and **30, 69.064, 39.363** is the 20% darker color. If you saturate the color by 10%, you get **44, 87.417, 36.910**, and if you desaturate by 10%, it is **47, 74.675, 29.264**.

Distribution



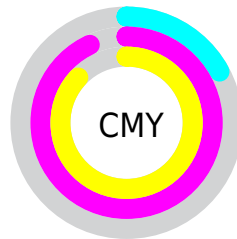
- Red (83%)
- Green (7%)
- Blue (13%)



- Red (83%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (92%)
- Yellow (84%)
- Black (17%)



- Cyan (17%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 82.329, 33.689 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, 82.329, 33.689 by changing the saturation by 10% instead.

 45, 82.329, 33.689

 45, 82.329, 33.689

 100, 82.329,
33.689

 35, 82.329, 33.689

 65, 82.329, 33.689

 25, 82.329, 33.689

 75, 82.329, 33.689

 15, 82.329, 33.689

 85, 82.329, 33.689

 5, 82.329, 33.689

 95, 82.329, 33.689

 0, 82.329, 33.689

 45, 82.329, 33.689

 45, 82.329, 33.689

 44, 87.417, 36.910

 47, 74.675, 29.264

 49, 65.957, 25.241

■ 53, 56.540, 21.911

■ 57, 46.756, 19.266

■ 62, 36.936, 17.194

■ 67, 27.353, 15.567

■ 72, 18.189, 14.270

■ 78, 9.539, 13.208

■ 84, 1.435, 12.030

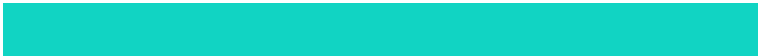
Harmonies

Complementary

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



45, 82.329, 33.689



77, 46.343, 184.816

Rectangle

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



45, 82.329, 33.689



45, 82.329, 83.689



45, 82.329, 213.689



45, 82.329, 263.689

Sweetspot

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



45, 82.326, 33.691



81, 27.631, 15.074



48, 99.404, 324.509



41, 19.327, 15.685



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, 82.326, 33.691



53, 100.959, 37.328



54, 73.223, 54.490



42, 4.571, 12.973



35, 73.833, 36.276



5, 21.965, 15.926

Inverse Universe

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



45, 82.326, 33.691



53, 100.959, 37.328



54, 48.152, 268.798



42, 4.571, 12.973



35, 73.833, 36.276



5, 21.965, 15.926

Previews

White Background



This preview shows how the CIELCh color 45, 82.329, 33.689 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, 82.329, 33.689 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, 82.329, 33.689

Background



This preview shows how black text looks on a background with the CIELCh color 45, 82.329, 33.689.



This preview shows how white text looks on a background with the CIELCh color 45, 82.329, 33.689.

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, 82.329, 33.689

Protanopia

46, 31.647, 96.171

Deuteranopia

45, 51.022, 83.625



Tritanopia
45, 87.045, 39.035

Trichromacy



Original Color
45, 82.329, 33.689

Protanomaly
41, 43.620, 45.927

Deuteranomaly
42, 59.097, 52.788

Tritanomaly
45, 85.397, 37.380

Monochromacy



Original Color
45, 82.329, 33.689

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 33.363, 19.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 82.329, 33.689 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(212, 17, 34)` looks like.

```
.text, #text, p{  
    color:rgb(212, 17, 34)  
}
```

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(212, 17, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 17, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 82.329, 33.689 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(212, 17, 34) }
```

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

```
.border{ border-color:rgb(212, 17, 34) }
```

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

Here you see how a box with a 4 pixel rgb(212, 17, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 17, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 17, 34);  
box-shadow:4px 4px 4px 4px rgb(212, 17,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 82.329, 33.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 17, 34) }
```

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

```
.background{ background-color: rgb(212, 17,  
34) }
```

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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