

Converting Colors

CIELCh(45, 69.935, 29.156)

Have a look what the booklet for
CIELCh(45, 69.935, 29.156) contains.

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Color

CIELCh(45, 69.886, 29.008)

Conversions

Conversions Part 1

Format	Color
Hex	CA2B36
RGB	202, 43, 54
RGB Percent	79%, 17%, 21%
CMY	0.2080, 0.8315, 0.7883
CMYK	0.00, 0.79, 0.73, 0.21
HSL	356°, 65%, 48%
HSV	356°, 79%, 79%
XYZ	25.8740, 14.5417, 4.9297
YIQ	91.7950, 91.2330, 37.1290

Conversions

Conversions Part 2

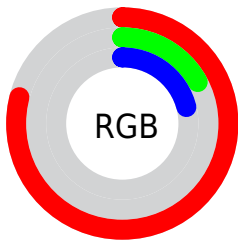
Format	Color
RYB	202, 43, 54
Decimal	13249334
CIELab	45.00, 61.12, 33.89
CIElCh	45, 69.886, 29.008
Yxy	14.5417, 0.5706, 0.3207
Android (android.graphics.Color)	4291439414 (0xFFCA2B36)
YUV	91.7950, -18.6329, 96.6498
Hunter-Lab	38.1336, 54.3803, 19.0289

Details

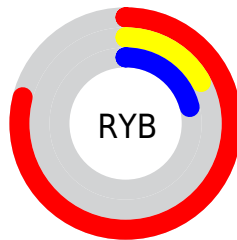
The CIELCh color **45, 69.886, 29.008** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **74, 41.730, 188.059**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 65.682, 28.460**, and **28, 63.215, 35.492** is the 20% darker color. If you saturate the color by 10%, you get **43, 77.810, 33.230**, and if you desaturate by 10%, it is **48, 61.045, 25.269**.

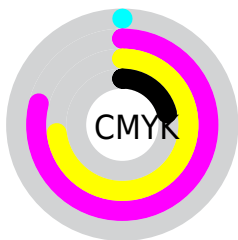
Distribution



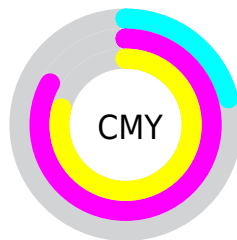
- Red (79%)
- Green (17%)
- Blue (21%)



- Red (79%)
- Yellow (17%)
- Blue (21%)



- Cyan (0%)
- Magenta (79%)
- Yellow (73%)
- Black (21%)









- Cyan (21%)
- Magenta (83%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 69.886, 29.008 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, 69.886, 29.008 by changing the saturation by 10% instead.

 45, 69.886, 29.008	 45, 69.886, 29.008
 100, 69.886, 29.008	 35, 69.886, 29.008
 65, 69.886, 29.008	 25, 69.886, 29.008
 75, 69.886, 29.008	 15, 69.886, 29.008
 85, 69.886, 29.008	 5, 69.886, 29.008
 95, 69.886, 29.008	 0, 69.886, 29.008

 45, 69.886, 29.008	 45, 69.886, 29.008
 43, 77.810, 33.230	 48, 61.045, 25.269
 42, 84.194, 37.140	 51, 51.674, 22.211

42, 84.886, 37.509

56, 42.103, 19.796

60, 32.632, 17.909

65, 23.489, 16.428

71, 14.813, 15.247

76, 6.667, 14.264

82, 0.939, 194.164

88, 8.027, 193.017

Harmonies

Complementary

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



45, 69.886, 29.008



74, 41.730, 188.059

Rectangle

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



45, 69.886, 29.008



45, 69.886, 79.008



45, 69.886, 209.008



45, 69.886, 259.008

Sweetspot

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



45, 69.883, 29.010



84, 23.379, 15.877



48, 89.748, 325.173



42, 16.251, 16.326



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, 69.883, 29.010



54, 97.984, 35.946



56, 60.150, 57.855



40, 4.381, 14.328



34, 72.796, 36.957



4, 17.957, 15.997

Inverse Universe

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



45, 69.883, 29.010



54, 97.984, 35.946



54, 42.010, 264.833



40, 4.381, 14.328



34, 72.796, 36.957



4, 17.957, 15.997

Previews

White Background



This preview shows how the CIELCh color 45, 69.886, 29.008 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, 69.886, 29.008 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, 69.886, 29.008

Background



This preview shows how black text looks on a background with the CIELCh color 45, 69.886, 29.008.



This preview shows how white text looks on a background with the CIELCh color 45, 69.886, 29.008.

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, 69.886, 29.008

Protanopia

45, 19.322, 95.192

Deuteranopia

45, 37.143, 81.074



Tritanopia
45, 71.819, 33.058

Trichromacy



Original Color
45, 69.886, 29.008

Protanomaly
43, 32.314, 41.083

Deuteranomaly
43, 44.347, 48.805

Tritanomaly
45, 71.209, 31.686

Monochromacy



Original Color
45, 69.886, 29.008

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 26.438, 18.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 69.886, 29.008 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(202, 43, 54)` looks like.

```
.text, #text, p{  
    color:rgb(202, 43, 54)  
}
```

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(202, 43, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 43, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 69.886, 29.008 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(202, 43, 54) }
```

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

```
.border{ border-color:rgb(202, 43, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 43, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 43, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 43, 54);  
box-shadow:4px 4px 4px 4px rgb(202, 43,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 69.886, 29.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 43, 54) }
```

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

```
.background{ background-color: rgb(202, 43,  
54) }
```

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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