

Converting Colors

CIELCh(43, 88.565, 28.701)

Have a look what the booklet for
CIELCh(43, 88.565, 28.701) contains.

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Color

CIELCh(45, 84.036, 32.108)

Conversions

Conversions Part 1

Format	Color
Hex	D70024
RGB	215, 0, 36
RGB Percent	84%, 0%, 14%
CMY	0.1563, 1.0000, 0.8572
CMYK	0.00, 1.00, 0.83, 0.16
HSL	350°, 100%, 42%
HSV	350°, 100%, 84%
XYZ	28.3603, 14.5417, 3.0148
YIQ	68.3890, 116.5840, 56.7760

Conversions

Conversions Part 2

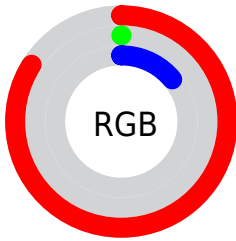
Format	Color
RYB	215, 0, 36
Decimal	14090276
CIELab	45.00, 71.18, 44.67
CIElCh	45, 84.036, 32.108
Yxy	14.5417, 0.6176, 0.3167
Android (android.graphics.Color)	4292280356 (0xFFD70024)
YUV	68.3890, -15.9678, 128.5778
Hunter-Lab	38.1336, 66.0182, 22.0061

Details

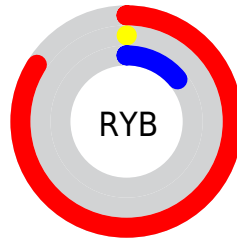
The CIELCh color **45, 84.036, 32.108** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **77, 52.714, 173.888**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 73.846, 31.591**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 83.884, 32.231**, and if you desaturate by 10%, it is **46, 77.885, 27.181**.

Distribution



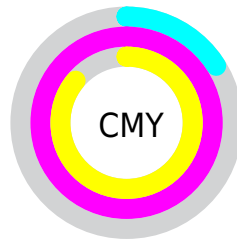
- Red (84%)
- Green (0%)
- Blue (14%)



- Red (84%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 84.036, 32.108 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, 84.036, 32.108 by changing the saturation by 10% instead.

 45, 84.036, 32.108

 45, 84.036, 32.108

 100, 84.036,
32.108

 35, 84.036, 32.108

 65, 84.036, 32.108

 25, 84.036, 32.108

 75, 84.036, 32.108

 15, 84.036, 32.108

 85, 84.036, 32.108

 5, 84.036, 32.108

 95, 84.036, 32.108

 0, 84.036, 32.108

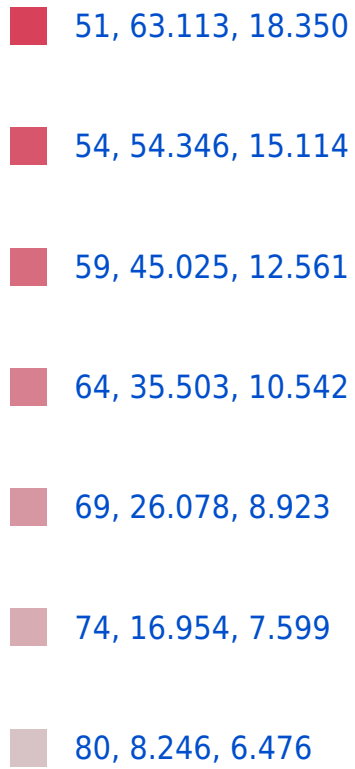
 45, 84.036, 32.108

 45, 84.036, 32.108

 45, 83.884, 32.231

 46, 77.885, 27.181

 48, 71.010, 22.383



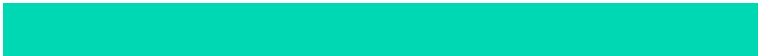
Harmonies

Complementary

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



45, 84.036, 32.108



77, 52.714, 173.888

Rectangle

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



45, 84.036, 32.108



45, 84.036, 82.108



45, 84.036, 212.108



45, 84.036, 262.108

Sweetspot

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



45, 83.884, 32.231



80, 29.955, 8.965



44, 103.367, 321.228



40, 20.631, 9.617



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, 83.884, 32.231



53, 95.884, 32.765



50, 82.725, 47.906



42, 4.656, 6.414



35, 70.031, 31.335



5, 22.015, 12.227

Inverse Universe

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



45, 83.884, 32.231



53, 95.884, 32.765



58, 44.506, 259.728



42, 4.656, 6.414



35, 70.031, 31.335



5, 22.015, 12.227

Previews

White Background



This preview shows how the CIELCh color 45, 84.036, 32.108 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, 84.036, 32.108 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, 84.036, 32.108

Background



This preview shows how black text looks on a background with the CIELCh color 45, 84.036, 32.108.



This preview shows how white text looks on a background with the CIELCh color 45, 84.036, 32.108.

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, 83.948, 32.353

Protanopia

46, 30.010, 95.985

Deuteranopia

46, 49.741, 83.411



Tritanopia
45, 90.334, 40.880

Trichromacy



Original Color
45, 83.948, 32.353

Protanomaly
40, 44.848, 39.683

Deuteranomaly
41, 59.048, 48.999

Tritanomaly
45, 88.454, 38.498

Monochromacy



Original Color
45, 83.948, 32.353

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 36.871, 15.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 84.036, 32.108 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(215, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 36)  
}
```

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(215, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 84.036, 32.108 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(215, 0, 36) }
```

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

```
.border{ border-color:rgb(215, 0, 36) }
```

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

Here you see how a box with a 4 pixel rgb(215, 0, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(215, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 84.036, 32.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 36) }
```

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

```
.background{ background-color: rgb(215, 0,  
36) }
```

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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