

Converting Colors

CIELCh(28, 108.218, 358.279)

Have a look what the booklet for
CIELCh(28, 108.218, 358.279)
contains.

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Color

CIELCh(41, 68.954, 12.953)

Conversions

Conversions Part 1

Format	Color
Hex	C1004B
RGB	193, 0, 75
RGB Percent	76%, 0%, 29%
CMY	0.2428, 0.9988, 0.7056
CMYK	0.00, 1.00, 0.61, 0.24
HSL	337°, 100%, 38%
HSV	337°, 100%, 76%
XYZ	23.2916, 11.8645, 7.7316
YIQ	66.2570, 90.9530, 64.2410

Conversions

Conversions Part 2

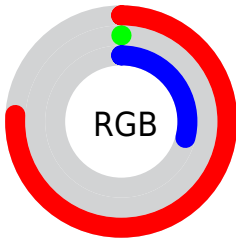
Format	Color
R_{YB}	193, 0, 75
Decimal	12648523
CIE _{Lab}	41.00, 67.20, 15.46
CIE _{LCh}	41, 68.954, 12.953
Yxy	11.8645, 0.5431, 0.2766
Android (android.graphics.Color)	4290838603 (0xFFC1004B)
YUV	66.2570, 4.3103, 111.1536
Hunter-Lab	34.4449, 60.4228, 10.8030

Details

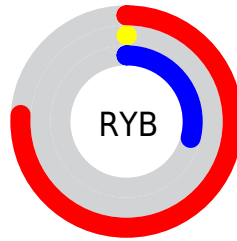
The CIELCh color **41, 68.954, 12.953** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 63.832, 155.509**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 68.806, 12.935**, and **27, 54.827, 24.354** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.992, 13.030**, and if you desaturate by 10%, it is **42, 66.436, 8.121**.

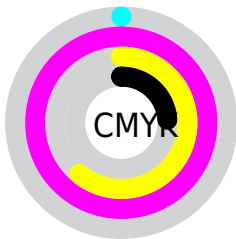
Distribution



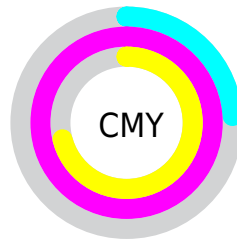
- Red (76%)
- Green (0%)
- Blue (29%)



- Red (76%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 68.954, 12.953 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 41, 68.954, 12.953 by changing the saturation by 10% instead.

41, 68.954, 12.953

41, 68.954, 12.953

100, 68.954,
12.953

31, 68.954, 12.953

61, 68.954, 12.953

21, 68.954, 12.953

71, 68.954, 12.953

11, 68.954, 12.953

81, 68.954, 12.953

1, 68.954, 12.953

91, 68.954, 12.953

0, 68.954, 12.953

41, 68.954, 12.953

41, 68.954, 12.953

41, 68.992, 13.030

42, 66.436, 8.121

44, 62.722, 4.069

■ 46, 57.379, 0.862

■ 50, 50.595,
358.329

■ 54, 42.760,
356.303

■ 58, 34.295,
354.646

■ 63, 25.558,
353.260

■ 68, 16.808,
352.070

■ 73, 8.216, 351.015

Harmonies

Complementary

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



41, 68.954, 12.953



69, 63.832, 155.509

Rectangle

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



41, 68.954, 12.953



41, 68.954, 62.953



41, 68.954, 192.953



41, 68.954, 242.953

Sweetspot

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



41, 68.951, 12.955



79, 31.692, 353.340



33, 99.054, 314.384



40, 21.679, 353.907



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 68.951, 12.955



53, 83.945, 13.956



41, 83.216, 41.098



38, 4.741, 350.967



34, 60.097, 12.228



3, 15.028, 358.840

Inverse Universe

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



41, 68.951, 12.955



53, 83.945, 13.956



65, 36.194, 214.228



38, 4.741, 350.967



34, 60.097, 12.228



3, 15.028, 358.840

Previews

White Background



This preview shows how the CIELCh color 41, 68.954, 12.953 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 41, 68.954, 12.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

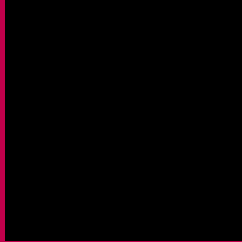
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 68.954, 12.953

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.954, 12.953.



This preview shows how white text looks on a background with the CIELCh color 41, 68.954, 12.953.

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

41, 68.954, 12.953

Protanopia

42, 7.261, 291.253

Deuteranopia

42, 20.489, 74.055



Tritanopia
42, 75.131, 35.992

Trichromacy



Original Color
41, 68.954, 12.953

Protanomaly
37, 35.298, 349.689

Deuteranomaly
38, 38.832, 18.981

Tritanomaly
41, 71.991, 28.310

Monochromacy



Original Color
41, 68.954, 12.953

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 33.848, 358.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.954, 12.953 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(193, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 75)  
}
```

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(193, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.954, 12.953 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(193, 0, 75) }
```

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

```
.border{ border-color:rgb(193, 0, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.954, 12.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 75) }
```

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

```
.background{ background-color: rgb(193, 0,  
75) }
```

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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