

Converting Colors

CIELCh(41, 68.927, 11.163)

Have a look what the booklet for
CIELCh(41, 68.927, 11.163) contains.

CIELCh(41, 68.747, 11.442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 68.747, 11.442)

Conversions

Conversions Part 1

Format	Color
Hex	C1004E
RGB	193, 0, 78
RGB Percent	76%, 0%, 31%
CMY	0.2436, 1.0000, 0.6944
CMYK	0.00, 1.00, 0.60, 0.24
HSL	336°, 100%, 38%
HSV	336°, 100%, 76%
XYZ	23.3321, 11.8645, 8.2522
YIQ	66.5990, 89.9900, 65.1740

Conversions

Conversions Part 2

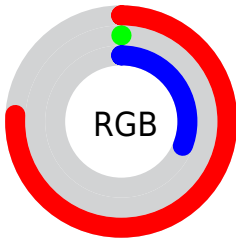
Format	Color
RYB	193, 0, 78
Decimal	12648526
CIELab	41.00, 67.38, 13.64
CIElCh	41, 68.747, 11.442
Yxy	11.8645, 0.5370, 0.2731
Android (android.graphics.Color)	4290838606 (0xFFC1004E)
YUV	66.5990, 5.6207, 110.8537
Hunter-Lab	34.4449, 60.6328, 9.9070

Details

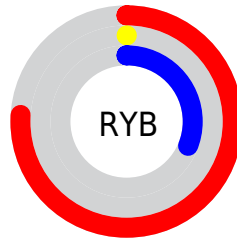
The CIELCh color **41, 68.747, 11.442** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 65.050, 154.454**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 68.658, 11.083**, and **27, 54.177, 22.426** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.718, 11.459**, and if you desaturate by 10%, it is **42, 66.408, 6.740**.

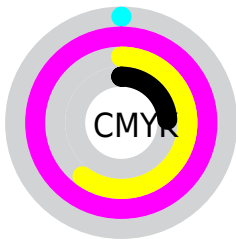
Distribution



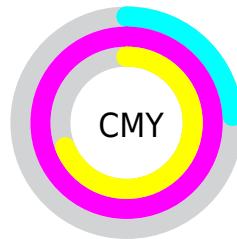
- Red (76%)
- Green (0%)
- Blue (31%)



- Red (76%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 68.747, 11.442 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, 68.747, 11.442 by changing the saturation by 10% instead.

 41, 68.747, 11.442

 41, 68.747, 11.442

 100, 68.747,
11.442

 31, 68.747, 11.442

 61, 68.747, 11.442

 21, 68.747, 11.442

 71, 68.747, 11.442

 11, 68.747, 11.442

 81, 68.747, 11.442

 1, 68.747, 11.442

 91, 68.747, 11.442

 0, 68.747, 11.442

 41, 68.747, 11.442

 41, 68.747, 11.442

 41, 68.718, 11.459

 42, 66.408, 6.740

 44, 62.862, 2.790

■ 46, 57.636,
359.667

■ 50, 50.923,
357.200

■ 54, 43.118,
355.222

■ 58, 34.649,
353.600

■ 63, 25.881,
352.238

■ 68, 17.080,
351.066

■ 73, 8.421, 350.025

Harmonies

Complementary

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



41, 68.747, 11.442



69, 65.050, 154.454

Rectangle

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



41, 68.747, 11.442



41, 68.747, 61.442



41, 68.747, 191.442



41, 68.747, 241.442

Sweetspot

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



41, 68.718, 11.459



79, 31.949, 352.298



33, 99.382, 313.925



40, 21.847, 352.854



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, 68.718, 11.459



53, 83.633, 12.370



41, 83.566, 40.889



38, 4.787, 349.961



34, 59.936, 10.680



3, 15.123, 357.939

Inverse Universe

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



41, 68.718, 11.459



53, 83.633, 12.370



66, 36.680, 210.946



38, 4.787, 349.961



34, 59.936, 10.680



3, 15.123, 357.939

Previews

White Background



This preview shows how the CIELCh color 41, 68.747, 11.442 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, 68.747, 11.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

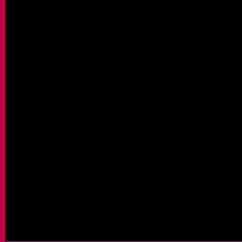
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 68.747, 11.442

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.747, 11.442.



This preview shows how white text looks on a background with the CIELCh color 41, 68.747, 11.442.

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, 68.747, 11.442

Protanopia

42, 9.679, 289.301

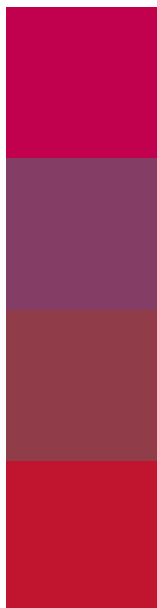
Deuteranopia

42, 18.675, 72.695



Tritanopia
41, 74.058, 35.456

Trichromacy



Original Color
41, 68.747, 11.442

Protanomaly
37, 36.091, 345.768

Deuteranomaly
37, 38.551, 15.516

Tritanomaly
41, 71.395, 27.560

Monochromacy



Original Color
41, 68.747, 11.442

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 33.980, 357.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.747, 11.442 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.747, 11.442 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, 78) }
```

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

```
.border{ border-color:rgb(193, 0, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.747, 11.442 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, 78) }
```

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

```
.background{ background-color: rgb(193, 0,  
78) }
```

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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