

Converting Colors

CIELCh(41, 68.017, 7.887)

Have a look what the booklet for
CIELCh(41, 68.017, 7.887) contains.

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Color

CIELCh(41, 68.022, 7.766)

Conversions

Conversions Part 1

Format	Color
Hex	C00155
RGB	192, 1, 85
RGB Percent	75%, 0%, 33%
CMY	0.2479, 0.9942, 0.6673
CMYK	0.00, 0.99, 0.56, 0.25
HSL	334°, 98%, 38%
HSV	334°, 99%, 75%
XYZ	23.3360, 11.8645, 9.6222
YIQ	67.6850, 86.8720, 66.6160

Conversions

Conversions Part 2

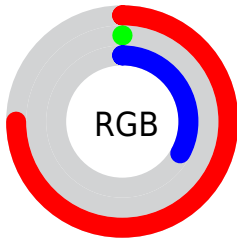
Format	Color
RYB	192, 1, 85
Decimal	12583253
CIELab	41.00, 67.40, 9.19
CIELCh	41, 68.022, 7.766
Yxy	11.8645, 0.5206, 0.2647
Android (android.graphics.Color)	4290773333 (0xFFC00155)
YUV	67.6850, 8.5363, 109.0243
Hunter-Lab	34.4449, 60.6529, 7.5489

Details

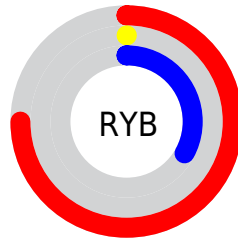
The CIELCh color **41, 68.022, 7.766** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **69, 67.035, 152.580**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 67.930, 7.862**, and **27, 52.741, 18.140** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.170, 8.110**, and if you desaturate by 10%, it is **42, 66.057, 3.365**.

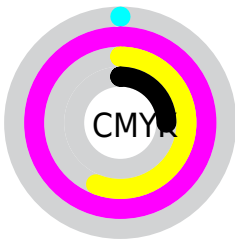
Distribution



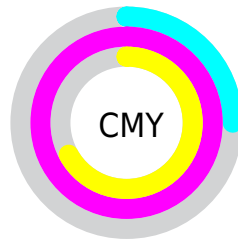
- Red (75%)
- Green (0%)
- Blue (33%)



- Red (75%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (25%)




- Cyan (25%)
- Magenta (99%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 68.022, 7.766 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, 68.022, 7.766 by changing the saturation by 10% instead.

 41, 68.022, 7.766  41, 68.022, 7.766

 100, 68.022, 7.766  31, 68.022, 7.766

 61, 68.022, 7.766  21, 68.022, 7.766

 71, 68.022, 7.766  11, 68.022, 7.766

 81, 68.022, 7.766  1, 68.022, 7.766

 91, 68.022, 7.766  0, 68.022, 7.766

 41, 68.022, 7.766  41, 68.022, 7.766

 41, 68.170, 8.110  42, 66.057, 3.365

 44, 62.650,
359.748

■ 46, 57.470,
356.893

■ 50, 50.752,
354.628

■ 54, 42.913,
352.799

■ 58, 34.391,
351.286

■ 63, 25.551,
350.003

■ 68, 16.661,
348.887

■ 73, 7.897, 347.885

Harmonies

Complementary

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



41, 68.022, 7.766



69, 67.035, 152.580

Rectangle

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



41, 68.022, 7.766



41, 68.022, 57.766



41, 68.022, 187.766



41, 68.022, 237.766

Sweetspot

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



41, 68.019, 7.768



79, 32.530, 350.153



32, 99.354, 313.106



40, 22.228, 350.684



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, 68.019, 7.768



53, 83.224, 8.992



40, 83.278, 40.280



38, 4.890, 347.899



34, 59.766, 7.396



3, 15.345, 355.989

Inverse Universe

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



41, 68.019, 7.768



53, 83.224, 8.992



68, 37.813, 204.651



38, 4.890, 347.899



34, 59.766, 7.396



3, 15.345, 355.989

Previews

White Background



This preview shows how the CIELCh color 41, 68.022, 7.766 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 CIE LCh color 41, 68.022, 7.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

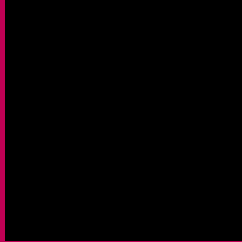
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 68.022, 7.766

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.022, 7.766.



This preview shows how white text looks on a background with the CIELCh color 41, 68.022, 7.766.

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, 68.116, 7.714

Protanopia

42, 15.181, 285.383

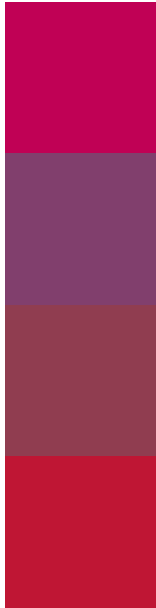
Deuteranopia

42, 14.622, 67.388



Tritanopia
42, 72.381, 34.871

Trichromacy



Original Color
41, 68.116, 7.714

Protanomaly
37, 37.376, 338.255

Deuteranomaly
38, 37.515, 9.430

Tritanomaly
41, 69.643, 25.442

Monochromacy



Original Color
41, 68.116, 7.714

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 33.978, 354.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.022, 7.766 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(192, 1, 85)` looks like.

```
.text, #text, p{  
    color:rgb(192, 1, 85)  
}
```

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(192, 1, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 1, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.022, 7.766 is called "border". The border property can be set on classes, ids or directly on the HTML element.

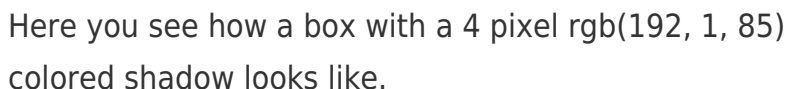
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(192, 1, 85) }
```

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

```
.border{ border-color:rgb(192, 1, 85) }
```

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



Here you see how a box with a 4 pixel `rgb(192, 1, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 1, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 1, 85);  
box-shadow:4px 4px 4px 4px rgb(192, 1, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.022, 7.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 1, 85) }
```

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

```
.background{ background-color: rgb(192, 1,  
85) }
```

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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