

Converting Colors

CIELCh(35, 84.985, 0.553)

Have a look what the booklet for
CIELCh(35, 84.985, 0.553) contains.

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Color

CIELCh(41, 67.939, 7.417)

Conversions

Conversions Part 1

Format	Color
Hex	C00256
RGB	192, 2, 86
RGB Percent	75%, 1%, 34%
CMY	0.2484, 0.9927, 0.6647
CMYK	0.00, 0.99, 0.55, 0.25
HSL	334°, 98%, 38%
HSV	334°, 99%, 75%
XYZ	23.3299, 11.8645, 9.7594
YIQ	68.3860, 86.2760, 66.4040

Conversions

Conversions Part 2

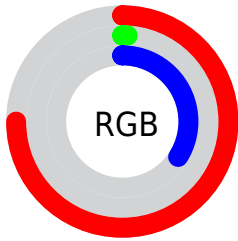
Format	Color
R_{YB}	192, 2, 86
Decimal	12583510
CIE _{Lab}	41.00, 67.37, 8.77
CIE _{LCh}	41, 67.939, 7.417
Yxy	11.8645, 0.5190, 0.2639
Android (android.graphics.Color)	4290773590 (0xFFC00256)
YUV	68.3860, 8.6837, 108.4095
Hunter-Lab	34.4449, 60.6210, 7.3127

Details

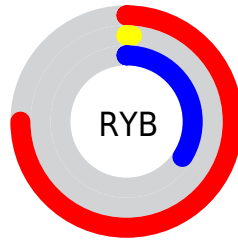
The CIELCh color **41, 67.939, 7.417** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **68, 67.115, 152.472**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 67.943, 7.394**, and **27, 52.593, 17.444** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.123, 7.849**, and if you desaturate by 10%, it is **42, 65.989, 3.050**.

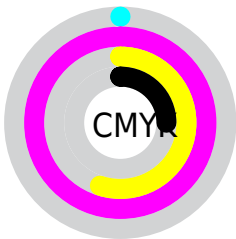
Distribution



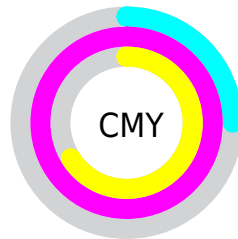
- Red (75%)
- Green (1%)
- Blue (34%)



- Red (75%)
- Yellow (1%)
- Blue (34%)



- Cyan (0%)
- Magenta (99%)
- Yellow (55%)
- Black (25%)



- Cyan (25%)
- Magenta (99%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 67.939, 7.417 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, 67.939, 7.417 by changing the saturation by 10% instead.


 41, 67.939, 7.417  41, 67.939, 7.417

 100, 67.939, 7.417  31, 67.939, 7.417

 61, 67.939, 7.417  21, 67.939, 7.417


 71, 67.939, 7.417  11, 67.939, 7.417

 81, 67.939, 7.417  1, 67.939, 7.417

 91, 67.939, 7.417  0, 67.939, 7.417

 41, 67.939, 7.417  41, 67.939, 7.417

 41, 68.123, 7.849  42, 65.989, 3.050

 44, 62.565,
359.470

■ 46, 57.363,
356.646

■ 50, 50.625,
354.404

■ 54, 42.772,
352.592

■ 58, 34.240,
351.091

■ 63, 25.394,
349.816

■ 68, 16.499,
348.707

■ 73, 7.731, 347.710

Harmonies

Complementary

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



41, 67.939, 7.417



68, 67.115, 152.472

Rectangle

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



41, 67.939, 7.417



41, 67.939, 57.417



41, 67.939, 187.417



41, 67.939, 237.417

Sweetspot

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



41, 67.936, 7.419



79, 32.577, 349.989



32, 99.215, 313.118



40, 22.259, 350.519



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, 67.936, 7.419



53, 83.206, 8.730



40, 83.114, 40.224



38, 4.898, 347.743



34, 59.763, 7.141



3, 15.364, 355.835

Inverse Universe

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



41, 67.936, 7.419



53, 83.206, 8.730



68, 37.785, 204.636



38, 4.898, 347.743



34, 59.763, 7.141



3, 15.364, 355.835

Previews

White Background



This preview shows how the CIELCh color 41, 67.939, 7.417 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, 67.939, 7.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

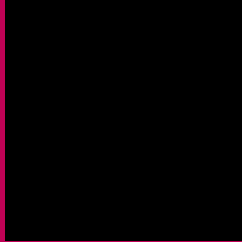
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 67.939, 7.417

Background



This preview shows how black text looks on a background with the CIELCh color 41, 67.939, 7.417.



This preview shows how white text looks on a background with the CIELCh color 41, 67.939, 7.417.

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, 68.011, 7.257

Protanopia

42, 15.778, 285.763

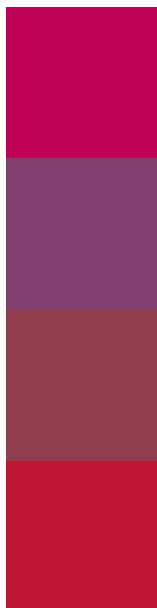
Deuteranopia

42, 14.622, 67.388



Tritanopia
42, 72.381, 34.871

Trichromacy



Original Color
41, 68.011, 7.257

Protanomaly
37, 37.747, 337.555

Deuteranomaly
38, 37.515, 9.430

Tritanomaly
41, 69.643, 25.442

Monochromacy



Original Color
41, 68.011, 7.257

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, 67.939, 7.417 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, 2, 86)` looks like.

```
.text, #text, p{  
    color:rgb(192, 2, 86)  
}
```

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, 2, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 2, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 67.939, 7.417 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, 2, 86) }
```

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

```
.border{ border-color:rgb(192, 2, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 2, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 2, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 2, 86);  
box-shadow:4px 4px 4px 4px rgb(192, 2, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 67.939, 7.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 2, 86) }
```

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

```
.background{ background-color: rgb(192, 2,  
86) }
```

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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