

Converting Colors

CIELCh(41, 66.479, 6.483)

Have a look what the booklet for
CIELCh(41, 66.479, 6.483) contains.

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Color

CIELCh(41, 66.512, 6.773)

Conversions

Conversions Part 1

Format	Color
Hex	BE0C57
RGB	190, 12, 87
RGB Percent	75%, 5%, 34%
CMY	0.2556, 0.9545, 0.6593
CMYK	0.00, 0.94, 0.54, 0.26
HSL	335°, 88%, 39%
HSV	335°, 94%, 74%
XYZ	23.0354, 11.8645, 10.0654
YIQ	73.7720, 82.0130, 61.0610

Conversions

Conversions Part 2

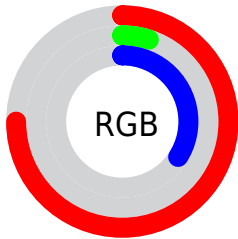
Format	Color
R_{YB}	190, 12, 87
Decimal	12454999
CIE Lab	41.00, 66.05, 7.84
CIE LCh	41, 66.512, 6.773
Yxy	11.8645, 0.5123, 0.2639
Android (android.graphics.Color)	4290645079 (0xFFBE0C57)
YUV	73.7720, 6.5214, 101.9320
Hunter-Lab	34.4449, 59.0950, 6.7858

Details

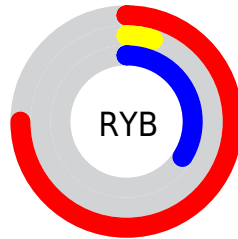
The CIELCh color **41, 66.512, 6.773** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **68, 63.323, 154.707**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 66.604, 6.970**, and **26, 52.247, 17.172** is the 20% darker color. If you saturate the color by 10%, you get **40, 67.730, 9.606**, and if you desaturate by 10%, it is **42, 63.784, 2.628**.

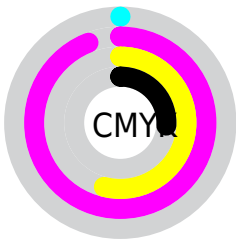
Distribution



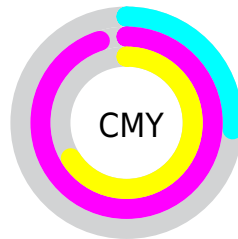
- Red (75%)
- Green (5%)
- Blue (34%)



- Red (75%)
- Yellow (5%)
- Blue (34%)



- Cyan (0%)
- Magenta (94%)
- Yellow (54%)
- Black (26%)




- Cyan (26%)
- Magenta (95%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 66.512, 6.773 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, 66.512, 6.773 by changing the saturation by 10% instead.

 41, 66.512, 6.773  41, 66.512, 6.773

 100, 66.512, 6.773  31, 66.512, 6.773


 61, 66.512, 6.773  21, 66.512, 6.773


 71, 66.512, 6.773  11, 66.512, 6.773

 81, 66.512, 6.773  1, 66.512, 6.773

 91, 66.512, 6.773  0, 66.512, 6.773

 41, 66.512, 6.773  41, 66.512, 6.773

 40, 67.730, 9.606  42, 63.784, 2.628

 45, 59.361,
359.337

■ 48, 53.313,
356.739

■ 51, 45.988,
354.665

■ 55, 37.817,
352.974

■ 60, 29.198,
351.561

■ 65, 20.436,
350.352

■ 70, 11.740,
349.289

■ 75, 3.241, 348.268

Harmonies

Complementary

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



41, 66.512, 6.773



68, 63.323, 154.707

Rectangle

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



41, 66.512, 6.773



41, 66.512, 56.773



41, 66.512, 186.773



41, 66.512, 236.773

Sweetspot

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



41, 66.509, 6.775



80, 29.814, 350.883



33, 96.160, 313.863



40, 20.807, 351.424



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, 66.509, 6.775



53, 82.722, 10.522



41, 79.246, 39.366



37, 4.736, 348.837



33, 59.113, 8.839



3, 13.419, 356.092

Inverse Universe

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



41, 66.509, 6.775



53, 82.722, 10.522



66, 36.646, 207.124



37, 4.736, 348.837



33, 59.113, 8.839



3, 13.419, 356.092

Previews

White Background



This preview shows how the CIELCh color 41, 66.512, 6.773 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, 66.512, 6.773 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, 66.512, 6.773

Background



This preview shows how black text looks on a background with the CIELCh color 41, 66.512, 6.773.



This preview shows how white text looks on a background with the CIELCh color 41, 66.512, 6.773.

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, 66.512, 6.773

Protanopia

42, 17.002, 286.489

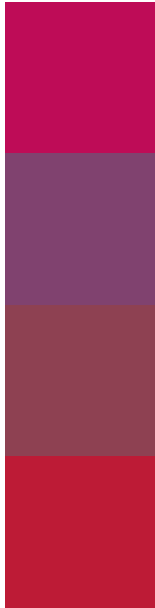
Deuteranopia

42, 13.362, 65.796



Tritanopia
41, 70.717, 34.418

Trichromacy



Original Color
41, 66.512, 6.773

Protanomaly
37, 36.011, 336.706

Deuteranomaly
38, 34.875, 9.226

Tritanomaly
41, 67.779, 24.898

Monochromacy



Original Color
41, 66.512, 6.773

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 31.550, 354.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 66.512, 6.773 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(190, 12, 87)` looks like.

```
.text, #text, p{  
    color:rgb(190, 12, 87)  
}
```

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(190, 12, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 12, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 66.512, 6.773 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(190, 12, 87) }
```

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

```
.border{ border-color:rgb(190, 12, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 12, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 12, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 12, 87);  
box-shadow:4px 4px 4px 4px rgb(190, 12,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 66.512, 6.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 12, 87) }
```

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

```
.background{ background-color: rgb(190, 12,  
87) }
```

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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