

Converting Colors

CIELCh(41, 66.181, 18.850)

Have a look what the booklet for
CIELCh(41, 66.181, 18.850) contains.

CIELCh(41, 66.255, 19.076)	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, 66.255, 19.076)

Conversions

Conversions Part 1

Format	Color
Hex	BD1841
RGB	189, 24, 65
RGB Percent	74%, 9%, 25%
CMY	0.2586, 0.9055, 0.7449
CMYK	0.00, 0.87, 0.66, 0.26
HSL	345°, 77%, 42%
HSV	345°, 87%, 74%
XYZ	22.2831, 11.8645, 6.1226
YIQ	78.0090, 85.1790, 47.7310

Conversions

Conversions Part 2

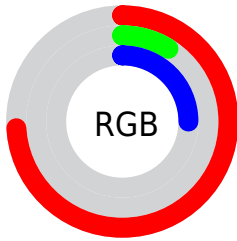
Format	Color
RYB	189, 24, 65
Decimal	12392513
CIELab	41.00, 62.62, 21.65
CIElCh	41, 66.255, 19.076
Yxy	11.8645, 0.5533, 0.2946
Android (android.graphics.Color)	4290582593 (0xFFBD1841)
YUV	78.0090, -6.4134, 97.3391
Hunter-Lab	34.4449, 55.1965, 13.5726

Details

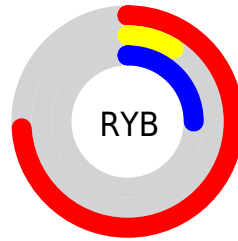
The CIELCh color **41, 66.255, 19.076** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **69, 49.729, 168.690**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 66.366, 19.435**, and **26, 55.581, 29.107** is the 20% darker color. If you saturate the color by 10%, you get **40, 70.794, 24.314**, and if you desaturate by 10%, it is **43, 60.738, 14.611**.

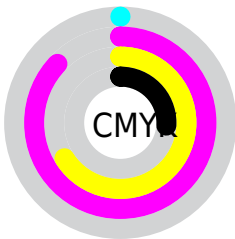
Distribution



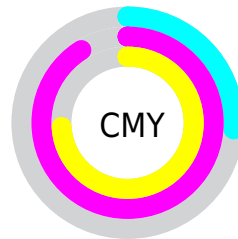
- Red (74%)
- Green (9%)
- Blue (25%)



- Red (74%)
- Yellow (9%)
- Blue (25%)



- Cyan (0%)
- Magenta (87%)
- Yellow (66%)
- Black (26%)



- Cyan (26%)
- Magenta (91%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 66.255, 19.076 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, 66.255, 19.076 by changing the saturation by 10% instead.

41, 66.255, 19.076

41, 66.255, 19.076

100, 66.255,
19.076

31, 66.255, 19.076

61, 66.255, 19.076

21, 66.255, 19.076

71, 66.255, 19.076

11, 66.255, 19.076

81, 66.255, 19.076

1, 66.255, 19.076

91, 66.255, 19.076

0, 66.255, 19.076

41, 66.255, 19.076

41, 66.255, 19.076

40, 70.794, 24.314

43, 60.738, 14.611

40, 72.055, 25.726

46, 54.109, 11.012

■ 49, 46.550, 8.163

■ 53, 38.394, 5.903

■ 58, 29.982, 4.087

■ 63, 21.586, 2.597

■ 68, 13.390, 1.345

■ 73, 5.501, 0.241

■ 78, 2.030, 179.650

Harmonies

Complementary

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



41, 66.255, 19.076



69, 49.729, 168.690

Rectangle

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



41, 66.255, 19.076



41, 66.255, 69.076



41, 66.255, 199.076



41, 66.255, 249.076

Sweetspot

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



41, 66.252, 19.078



80, 25.367, 2.484



39, 90.459, 319.576



40, 17.297, 2.962



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 66.252, 19.078



52, 88.124, 26.717



45, 68.416, 45.487



37, 4.315, 0.469



33, 62.757, 24.882



3, 12.668, 5.417

Inverse Universe

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



41, 66.252, 19.078



52, 88.124, 26.717



57, 34.687, 240.823



37, 4.315, 0.469



33, 62.757, 24.882



3, 12.668, 5.417

Previews

White Background



This preview shows how the CIELCh color 41, 66.255, 19.076 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, 66.255, 19.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

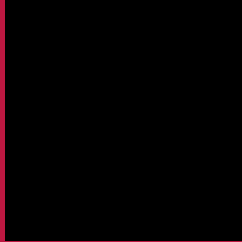
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 66.255, 19.076

Background



This preview shows how black text looks on a background with the CIELCh color 41, 66.255, 19.076.



This preview shows how white text looks on a background with the CIELCh color 41, 66.255, 19.076.

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, 66.255, 19.076

Protanopia

42, 3.264, 86.669

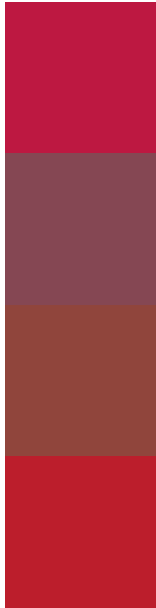
Deuteranopia

42, 25.486, 78.449



Tritanopia
41, 72.047, 34.972

Trichromacy



Original Color
41, 66.255, 19.076

Protanomaly
38, 28.208, 9.634

Deuteranomaly
39, 36.917, 33.298

Tritanomaly
41, 69.280, 29.765

Monochromacy



Original Color
41, 66.255, 19.076

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 28.137, 6.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 66.255, 19.076 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(189, 24, 65)` looks like.

```
.text, #text, p{  
    color:rgb(189, 24, 65)  
}
```

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(189, 24, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 24, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 66.255, 19.076 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(189, 24, 65) }
```

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

```
.border{ border-color:rgb(189, 24, 65) }
```

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

Here you see how a box with a 4 pixel rgb(189, 24, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 24, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 24, 65);  
box-shadow:4px 4px 4px 4px rgb(189, 24,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 66.255, 19.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 24, 65) }
```

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

```
.background{ background-color: rgb(189, 24,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor