

Converting Colors

CIELCh(41, 64.202, 17.864)

Have a look what the booklet for
CIELCh(41, 64.202, 17.864) contains.

CIELCh(41, 64.312, 17.839)	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, 64.312, 17.839)

Conversions

Conversions Part 1

Format	Color
Hex	BB1D44
RGB	187, 29, 68
RGB Percent	73%, 11%, 27%
CMY	0.2666, 0.8861, 0.7333
CMYK	0.00, 0.84, 0.64, 0.27
HSL	345°, 73%, 42%
HSV	345°, 84%, 73%
XYZ	21.9816, 11.8645, 6.6026
YIQ	80.6880, 81.6490, 45.6250

Conversions

Conversions Part 2

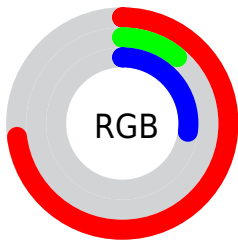
Format	Color
R _Y B	187, 29, 68
Decimal	12262724
CIE Lab	41.00, 61.22, 19.70
CIE LCh	41, 64.312, 17.839
Yxy	11.8645, 0.5434, 0.2933
Android (android.graphics.Color)	4290452804 (0xFFBB1D44)
YUV	80.6880, -6.2552, 93.2356
Hunter-Lab	34.4449, 53.6342, 12.7465

Details

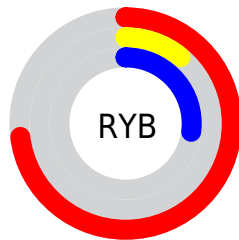
The CIELCh color **41, 64.312, 17.839** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **68, 48.433, 169.340**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 64.168, 17.737**, and **25, 54.018, 26.984** is the 20% darker color. If you saturate the color by 10%, you get **40, 69.042, 22.910**, and if you desaturate by 10%, it is **43, 58.509, 13.625**.

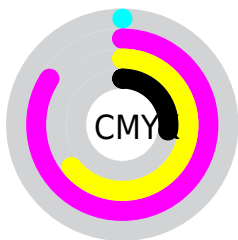
Distribution



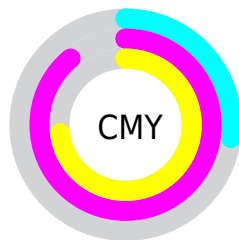
- Red (73%)
- Green (11%)
- Blue (27%)



- Red (73%)
- Yellow (11%)
- Blue (27%)



- Cyan (0%)
- Magenta (84%)
- Yellow (64%)
- Black (27%)



- Cyan (27%)
- Magenta (89%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 64.312, 17.839 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, 64.312, 17.839 by changing the saturation by 10% instead.

 41, 64.312, 17.839

 41, 64.312, 17.839

 100, 64.312,
17.839

 31, 64.312, 17.839

 61, 64.312, 17.839

 21, 64.312, 17.839

 71, 64.312, 17.839

 11, 64.312, 17.839

 81, 64.312, 17.839

 1, 64.312, 17.839

 91, 64.312, 17.839

 0, 64.312, 17.839

 41, 64.312, 17.839

 41, 64.312, 17.839

 40, 69.042, 22.910

 43, 58.509, 13.625

 39, 71.515, 25.801

 46, 51.638, 10.252

■ 50, 43.935, 7.584

■ 54, 35.743, 5.463

■ 58, 27.385, 3.748

■ 63, 19.104, 2.333

■ 68, 11.060, 1.135

■ 74, 3.340, 0.027

■ 79, 4.018, 179.409

Harmonies

Complementary

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



41, 64.312, 17.839



68, 48.433, 169.340

Rectangle

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



41, 64.312, 17.839



41, 64.312, 67.839



41, 64.312, 197.839



41, 64.312, 247.839

Sweetspot

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



41, 64.309, 17.841



80, 24.127, 2.455



39, 88.302, 319.661



41, 16.703, 2.933



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, 64.309, 17.841



51, 87.485, 26.803



45, 65.506, 45.450



37, 4.312, 0.576



33, 62.809, 25.005



3, 12.664, 5.496

Inverse Universe

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



41, 64.309, 17.841



51, 87.485, 26.803



57, 33.929, 239.714



37, 4.312, 0.576



33, 62.809, 25.005



3, 12.664, 5.496

Previews

White Background



This preview shows how the CIELCh color 41, 64.312, 17.839 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, 64.312, 17.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

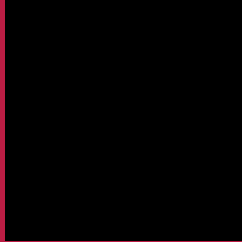
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 64.312, 17.839

Background



This preview shows how black text looks on a background with the CIELCh color 41, 64.312, 17.839.



This preview shows how white text looks on a background with the CIELCh color 41, 64.312, 17.839.

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, 64.312, 17.839

Protanopia

42, 1.460, 74.817

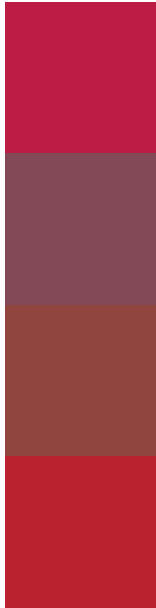
Deuteranopia

42, 23.916, 76.900



Tritanopia
41, 69.204, 33.754

Trichromacy



Original Color
41, 64.312, 17.839

Protanomaly
38, 26.893, 7.242

Deuteranomaly
39, 35.878, 31.561

Tritanomaly
41, 66.845, 28.497

Monochromacy



Original Color
41, 64.312, 17.839

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 27.050, 6.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 64.312, 17.839 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(187, 29, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 29, 68)  
}
```

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(187, 29, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 29, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 64.312, 17.839 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(187, 29, 68) }
```

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

```
.border{ border-color:rgb(187, 29, 68) }
```

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

Here you see how a box with a 4 pixel rgb(187, 29, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 29, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 29, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 29,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 64.312, 17.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 29, 68) }
```

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

```
.background{ background-color: rgb(187, 29,  
68) }
```

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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