

Converting Colors

CIELCh(41, 64.381, 33.216)

Have a look what the booklet for
CIELCh(41, 64.381, 33.216) contains.

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Color

CIELCh(41, 64.259, 33.291)

Conversions

Conversions Part 1

Format	Color
Hex	B52D2A
RGB	181, 45, 42
RGB Percent	71%, 18%, 16%
CMY	0.2903, 0.8236, 0.8353
CMYK	0.00, 0.75, 0.77, 0.29
HSL	1°, 62%, 44%
HSV	1°, 77%, 71%
XYZ	20.4079, 11.8645, 3.4040
YIQ	85.3220, 82.0190, 27.8990

Conversions

Conversions Part 2

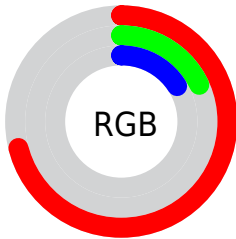
Format	Color
RYB	181, 45, 42
Decimal	11873578
CIELab	41.00, 53.71, 35.27
CIElCh	41, 64.259, 33.291
Yxy	11.8645, 0.5720, 0.3326
Android (android.graphics.Color)	4290063658 (0xFFB52D2A)
YUV	85.3220, -21.3577, 83.9096
Hunter-Lab	34.4449, 45.4789, 18.2522

Details

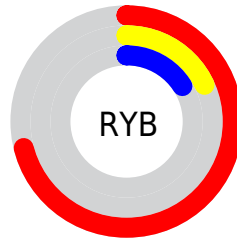
The CIELCh color **41, 64.259, 33.291** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **66, 35.313, 199.367**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 64.626, 33.174**, and **24, 58.063, 37.802** is the 20% darker color. If you saturate the color by 10%, you get **39, 72.462, 36.546**, and if you desaturate by 10%, it is **44, 55.225, 30.271**.

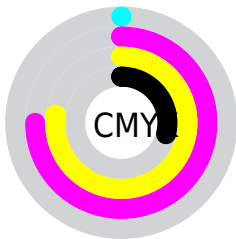
Distribution



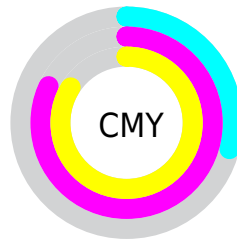
- Red (71%)
- Green (18%)
- Blue (16%)



- Red (71%)
- Yellow (18%)
- Blue (16%)



- Cyan (0%)
- Magenta (75%)
- Yellow (77%)
- Black (29%)



- Cyan (29%)
- Magenta (82%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 64.259, 33.291 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, 64.259, 33.291 by changing the saturation by 10% instead.

 41, 64.259, 33.291

 41, 64.259, 33.291

 100, 64.259,
33.291

 31, 64.259, 33.291

 61, 64.259, 33.291

 21, 64.259, 33.291

 71, 64.259, 33.291

 11, 64.259, 33.291

 81, 64.259, 33.291

 1, 64.259, 33.291

 91, 64.259, 33.291

 0, 64.259, 33.291

 41, 64.259, 33.291

 41, 64.259, 33.291

 39, 72.462, 36.546

 44, 55.225, 30.271

 38, 78.683, 39.278

 47, 45.955, 27.769

38, 80.524, 40.223

51, 36.790, 25.800

56, 27.964, 24.286

60, 19.620, 23.129

65, 11.828, 22.238

70, 4.602, 21.503

75, 2.082, 201.350

81, 8.263, 200.771

Harmonies

Complementary

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



41, 64.259, 33.291



66, 35.313, 199.367

Rectangle

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



41, 64.259, 33.291



41, 64.259, 83.291



41, 64.259, 213.291



41, 64.259, 263.291

Sweetspot

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



41, 64.256, 33.293



79, 20.520, 22.800



45, 80.510, 328.484



40, 14.388, 23.144



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



41, 64.256, 33.293



50, 93.429, 38.464



54, 52.829, 67.063



35, 3.828, 21.685



31, 70.633, 39.848



2, 9.003, 20.819

Inverse Universe

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



66, 35.313, 199.367



83, 45.252, 199.648



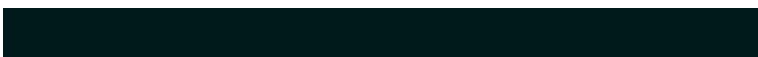
45, 44.260, 275.690



37, 3.610, 200.896



56, 33.218, 199.768



7, 8.838, 201.976

Previews

White Background



This preview shows how the CIELCh color 41, 64.259, 33.291 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, 64.259, 33.291 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, 64.259, 33.291

Background



This preview shows how black text looks on a background with the CIELCh color 41, 64.259, 33.291.



This preview shows how white text looks on a background with the CIELCh color 41, 64.259, 33.291.

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, 64.259, 33.291

Protanopia

41, 24.166, 96.333

Deuteranopia

41, 38.422, 82.338



Tritanopia
41, 63.394, 31.226

Trichromacy



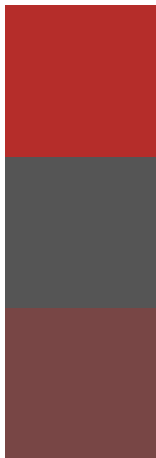
Original Color
41, 64.259, 33.291

Protanomaly
39, 32.712, 51.562

Deuteranomaly
40, 43.273, 54.796

Tritanomaly
41, 63.658, 31.686

Monochromacy



Original Color
41, 64.259, 33.291

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 23.465, 24.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 64.259, 33.291 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(181, 45, 42)` looks like.

```
.text, #text, p{  
    color:rgb(181, 45, 42)  
}
```

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(181, 45, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 45, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 64.259, 33.291 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(181, 45, 42) }
```

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

```
.border{ border-color:rgb(181, 45, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 45, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 45, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 45, 42);  
box-shadow:4px 4px 4px 4px rgb(181, 45,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 64.259, 33.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 45, 42) }
```

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

```
.background{ background-color: rgb(181, 45,  
42) }
```

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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