

Converting Colors

CIELCh(41, 67.153, 32.711)

Have a look what the booklet for
CIELCh(41, 67.153, 32.711) contains.

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Color

CIELCh(41, 66.946, 32.435)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B82729 |
| RGB | 184, 39, 41 |
| RGB Percent | 72%, 15%, 16% |
| CMY | 0.2772, 0.8457, 0.8384 |
| CMYK | 0.00, 0.79, 0.78, 0.28 |
| HSL | 359°, 65%, 44% |
| HSV | 359°, 79%, 72% |
| XYZ | 20.9835, 11.8645, 3.3021 |
| YIQ | 82.5830, 85.7780, 31.3620 |

Conversions

Conversions Part 2

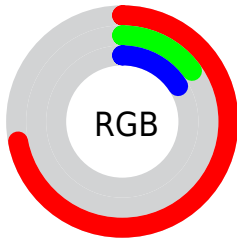
| Format | Color |
|-------------------------------------|--|
| RYB | 184, 39, 41 |
| Decimal | 12068649 |
| CIELab | 41.00, 56.50, 35.91 |
| CIElCh | 41, 66.946, 32.435 |
| Yxy | 11.8645, 0.5805, 0.3282 |
| Android (android.graphics.Color) | 4290258729 (0xFFB82729) |
| YUV | 82.5830, -20.5004, 88.9427 |
| Hunter-Lab | 34.4449, 48.4617, 18.4275 |

Details

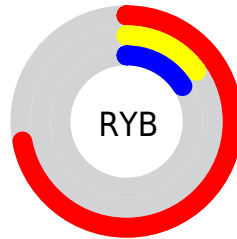
The CIELCh color **41, 66.946, 32.435** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **68, 37.366, 194.919**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 66.884, 32.538**, and **24, 59.286, 38.033** is the 20% darker color. If you saturate the color by 10%, you get **39, 74.766, 36.103**, and if you desaturate by 10%, it is **44, 58.113, 28.992**.

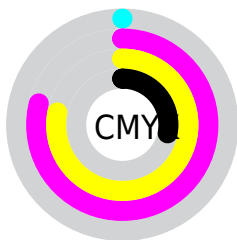
Distribution



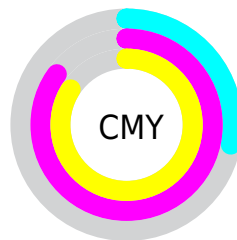
- Red (72%)
- Green (15%)
- Blue (16%)



- Red (72%)
- Yellow (15%)
- Blue (16%)



- Cyan (0%)
- Magenta (79%)
- Yellow (78%)
- Black (28%)



- Cyan (28%)
- Magenta (85%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 66.946, 32.435 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, 66.946, 32.435 by changing the saturation by 10% instead.

 41, 66.946, 32.435

 41, 66.946, 32.435

 100, 66.946,
32.435

 31, 66.946, 32.435

 61, 66.946, 32.435

 21, 66.946, 32.435

 71, 66.946, 32.435

 11, 66.946, 32.435

 81, 66.946, 32.435

 1, 66.946, 32.435

 91, 66.946, 32.435

 0, 66.946, 32.435

 41, 66.946, 32.435

 41, 66.946, 32.435

 39, 74.766, 36.103

 44, 58.113, 28.992

 38, 80.578, 39.083

 47, 48.867, 26.120

38, 81.348, 39.469

51, 39.569, 23.848

55, 30.495, 22.090

60, 21.835, 20.733

65, 13.695, 19.676

70, 6.113, 18.817

76, 0.918, 198.825

81, 7.433, 197.821

Harmonies

Complementary

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



41, 66.946, 32.435



68, 37.366, 194.919

Rectangle

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



41, 66.946, 32.435



41, 66.946, 82.435



41, 66.946, 212.435



41, 66.946, 262.435

Sweetspot

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



41, 66.943, 32.437



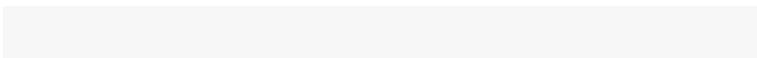
79, 22.296, 20.253



45, 83.607, 327.406



40, 15.508, 20.649



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



41, 66.943, 32.437



50, 96.139, 38.282



53, 55.029, 63.742



36, 4.003, 18.873



32, 71.379, 39.085



2, 10.641, 18.621

Inverse Universe

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



41, 66.943, 32.437



50, 96.139, 38.282



47, 43.461, 272.878



36, 4.003, 18.873



32, 71.379, 39.085



2, 10.641, 18.621

Previews

White Background



This preview shows how the CIELCh color 41, 66.946, 32.435 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, 66.946, 32.435 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, 66.946, 32.435

Background



This preview shows how black text looks on a background with the CIELCh color 41, 66.946, 32.435.



This preview shows how white text looks on a background with the CIELCh color 41, 66.946, 32.435.

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, 66.946, 32.435

Protanopia

41, 23.601, 96.197

Deuteranopia

41, 39.524, 82.014



Tritanopia
41, 67.029, 33.074

Trichromacy



Original Color
41, 66.946, 32.435

Protanomaly
39, 33.057, 48.241

Deuteranomaly
39, 45.295, 52.800

Tritanomaly
41, 67.029, 33.074

Monochromacy



Original Color
41, 66.946, 32.435

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 24.810, 22.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 66.946, 32.435 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(184, 39, 41)` looks like.

```
.text, #text, p{  
    color:rgb(184, 39, 41)  
}
```

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(184, 39, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 39, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 66.946, 32.435 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(184, 39, 41) }
```

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

```
.border{ border-color:rgb(184, 39, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 39, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 39, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 39, 41);  
box-shadow:4px 4px 4px 4px rgb(184, 39,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 66.946, 32.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 39, 41) }
```

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

```
.background{ background-color: rgb(184, 39,  
41) }
```

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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