

Converting Colors

CIELCh(42, 67.755, 33.040)

Have a look what the booklet for
CIELCh(42, 67.755, 33.040) contains.

CIELCh(42, 67.686, 32.903)	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(42, 67.686, 32.903)

Conversions

Conversions Part 1

Format	Color
Hex	BC2A2A
RGB	188, 42, 42
RGB Percent	74%, 16%, 16%
CMY	0.2630, 0.8355, 0.8355
CMYK	0.00, 0.78, 0.78, 0.26
HSL	360°, 64%, 45%
HSV	360°, 78%, 74%
XYZ	21.9642, 12.5000, 3.4409
YIQ	85.6540, 87.0160, 30.9520

Conversions

Conversions Part 2

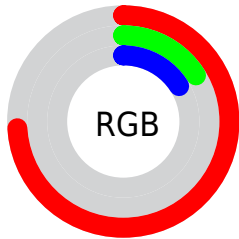
Format	Color
RYB	188, 42, 42
Decimal	12331562
CIELab	42.00, 56.83, 36.77
CIElCh	42, 67.686, 32.903
Yxy	12.5000, 0.5795, 0.3298
Android (android.graphics.Color)	4290521642 (0xFFBC2A2A)
YUV	85.6540, -21.5214, 89.7574
Hunter-Lab	35.3553, 49.0199, 18.9784

Details

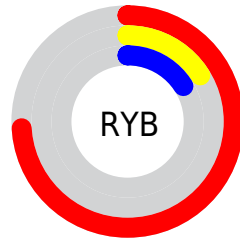
The CIELCh color **42, 67.686, 32.903** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 37.475, 196.546**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.763, 32.858**, and **25, 60.499, 38.246** is the 20% darker color. If you saturate the color by 10%, you get **40, 75.812, 36.445**, and if you desaturate by 10%, it is **45, 58.530, 29.565**.

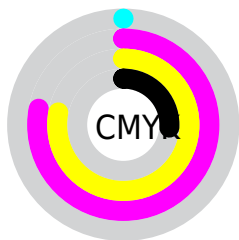
Distribution



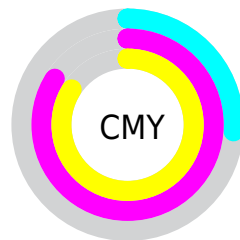
- Red (74%)
- Green (16%)
- Blue (16%)



- Red (74%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (26%)



- Cyan (26%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 67.686, 32.903 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 42, 67.686, 32.903 by changing the saturation by 10% instead.

■ 42, 67.686, 32.903

■ 42, 67.686, 32.903

■ 100, 67.686,
32.903

■ 32, 67.686, 32.903

■ 62, 67.686, 32.903

■ 22, 67.686, 32.903

■ 72, 67.686, 32.903

■ 12, 67.686, 32.903

■ 82, 67.686, 32.903

■ 2, 67.686, 32.903

■ 92, 67.686, 32.903

■ 0, 67.686, 32.903

■ 42, 67.686, 32.903

■ 42, 67.686, 32.903

■ 40, 75.812, 36.445

■ 45, 58.530, 29.565

■ 39, 81.777, 39.320

■ 48, 48.996, 26.784

39, 83.134, 39.996

52, 39.462, 24.591

57, 30.205, 22.900

62, 21.405, 21.603

67, 13.160, 20.598

72, 5.499, 19.778

77, 1.592, 199.609

83, 8.153, 198.874

Harmonies

Complementary

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



42, 67.686, 32.903



70, 37.475, 196.546

Rectangle

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



42, 67.686, 32.903



42, 67.686, 82.903



42, 67.686, 212.903



42, 67.686, 262.903

Sweetspot

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



42, 67.683, 32.905



81, 21.687, 21.139



47, 84.334, 327.390



41, 15.212, 21.525



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



42, 67.683, 32.905



52, 97.688, 38.495



55, 55.208, 63.877



37, 4.096, 19.910



32, 72.799, 39.661



3, 12.251, 19.400

Inverse Universe

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



42, 67.683, 32.905



52, 97.688, 38.495



48, 43.645, 272.521



37, 4.096, 19.910



32, 72.799, 39.661



3, 12.251, 19.400

Previews

White Background



This preview shows how the CIELCh color 42, 67.686, 32.903 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 42, 67.686, 32.903 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 42, 67.686, 32.903

Background



This preview shows how black text looks on a background with the CIELCh color 42, 67.686, 32.903.



This preview shows how white text looks on a background with the CIELCh color 42, 67.686, 32.903.

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

42, 67.686, 32.903

Protanopia

42, 24.752, 95.458

Deuteranopia

42, 40.134, 81.703



Tritanopia
42, 67.414, 32.487

Trichromacy



Original Color
42, 67.686, 32.903

Protanomaly
40, 34.068, 49.413

Deuteranomaly
41, 46.164, 53.471

Tritanomaly
42, 67.414, 32.487

Monochromacy



Original Color
42, 67.686, 32.903

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.748, 23.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 67.686, 32.903 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(188, 42, 42)` looks like.

```
.text, #text, p{  
    color:rgb(188, 42, 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(188, 42, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 42, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 67.686, 32.903 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(188, 42, 42) }
```

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

```
.border{ border-color:rgb(188, 42, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 42, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 42, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 42, 42);  
box-shadow:4px 4px 4px 4px rgb(188, 42,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 67.686, 32.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 42, 42) }
```

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

```
.background{ background-color: rgb(188, 42,  
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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