

Converting Colors

CIELCh(40, 66.361, 33.250)

Have a look what the booklet for
CIELCh(40, 66.361, 33.250) contains.

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Color

CIELCh(40, 66.368, 33.253)

Conversions

Conversions Part 1

Format	Color
Hex	B42626
RGB	180, 38, 38
RGB Percent	71%, 15%, 15%
CMY	0.2937, 0.8505, 0.8507
CMYK	0.00, 0.79, 0.79, 0.29
HSL	0°, 65%, 43%
HSV	0°, 79%, 71%
XYZ	19.8963, 11.2510, 2.9634
YIQ	80.4580, 84.6320, 30.1040

Conversions

Conversions Part 2

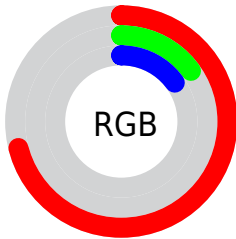
Format	Color
RYB	180, 38, 38
Decimal	11806246
CIELab	40.00, 55.50, 36.39
CIELCh	40, 66.368, 33.253
Yxy	11.2510, 0.5833, 0.3298
Android (android.graphics.Color)	4289996326 (0xFFB42626)
YUV	80.4580, -20.9318, 87.2983
Hunter-Lab	33.5425, 47.1808, 18.2416

Details

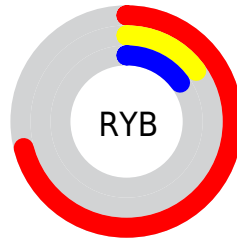
The CIELCh color **40, 66.368, 33.253** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **67, 36.458, 196.592**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 66.492, 33.047**, and **23, 57.652, 37.721** is the 20% darker color. If you saturate the color by 10%, you get **38, 74.078, 36.758**, and if you desaturate by 10%, it is **43, 57.581, 29.888**.

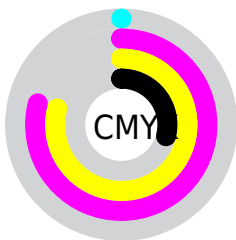
Distribution



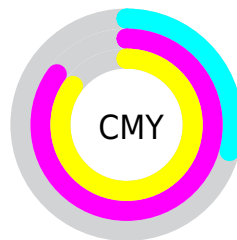
- Red (71%)
- Green (15%)
- Blue (15%)



- Red (71%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (29%)



- Cyan (29%)
- Magenta (85%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 66.368, 33.253 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 40, 66.368, 33.253 by changing the saturation by 10% instead.

 40, 66.368, 33.253

 40, 66.368, 33.253

 100, 66.368,
33.253

 30, 66.368, 33.253

 60, 66.368, 33.253

 20, 66.368, 33.253

 70, 66.368, 33.253

 10, 66.368, 33.253

 80, 66.368, 33.253

 0, 66.368, 33.253

 90, 66.368, 33.253

 40, 66.368, 33.253

 40, 66.368, 33.253

 38, 74.078, 36.758

 43, 57.581, 29.888

 37, 79.848, 39.644

 46, 48.387, 27.060

37, 80.525, 39.985

50, 39.165, 24.820

54, 30.185, 23.090

59, 21.634, 21.762

64, 13.610, 20.734

69, 6.149, 19.906

74, 0.761, 200.051

79, 7.155, 198.972

Harmonies

Complementary

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



40, 66.368, 33.253



67, 36.458, 196.592

Rectangle

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



40, 66.368, 33.253



40, 66.368, 83.253



40, 66.368, 213.253



40, 66.368, 263.253

Sweetspot

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



40, 66.365, 33.255



78, 21.935, 21.273



45, 82.275, 327.971



39, 15.257, 21.654



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



40, 66.365, 33.255



49, 95.607, 38.922



53, 54.064, 65.221



35, 3.909, 19.942



31, 70.925, 39.532



2, 9.153, 19.429

Inverse Universe

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



67, 36.458, 196.592



85, 46.759, 196.458



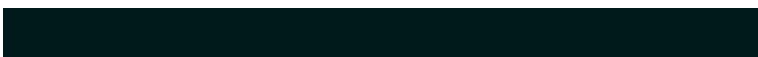
45, 43.979, 274.754



37, 3.689, 199.019



57, 34.208, 196.443



7, 9.132, 199.151

Previews

White Background



This preview shows how the CIELCh color 40, 66.368, 33.253 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 40, 66.368, 33.253 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 40, 66.368, 33.253

Background



This preview shows how black text looks on a background with the CIELCh color 40, 66.368, 33.253.



This preview shows how white text looks on a background with the CIELCh color 40, 66.368, 33.253.

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

40, 66.368, 33.253

Protanopia

41, 25.363, 96.482

Deuteranopia

40, 39.770, 82.652



Tritanopia
40, 66.368, 33.253

Trichromacy



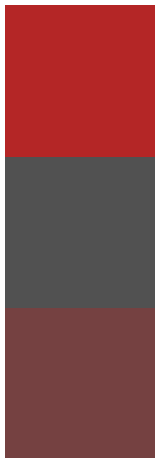
Original Color
40, 66.368, 33.253

Protanomaly
38, 33.948, 50.772

Deuteranomaly
39, 45.308, 54.177

Tritanomaly
40, 66.368, 33.253

Monochromacy



Original Color
40, 66.368, 33.253

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 24.586, 23.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 66.368, 33.253 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(180, 38, 38)` looks like.

```
.text, #text, p{  
    color:rgb(180, 38, 38)  
}
```

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(180, 38, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 38, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 66.368, 33.253 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(180, 38, 38) }
```

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

```
.border{ border-color:rgb(180, 38, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 38, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 38, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 38, 38);  
box-shadow:4px 4px 4px 4px rgb(180, 38,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 66.368, 33.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 38, 38) }
```

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

```
.background{ background-color: rgb(180, 38,  
38) }
```

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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