

Converting Colors

CIELCh(40, 69.854, 34.515)

Have a look what the booklet for
CIELCh(40, 69.854, 34.515) contains.

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Color

CIELCh(40, 69.830, 34.388)

Conversions

Conversions Part 1

Format	Color
Hex	B72121
RGB	183, 33, 33
RGB Percent	72%, 13%, 13%
CMY	0.2826, 0.8709, 0.8708
CMYK	0.00, 0.82, 0.82, 0.28
HSL	360°, 69%, 42%
HSV	360°, 82%, 72%
XYZ	20.3266, 11.2510, 2.5355
YIQ	77.8500, 89.4000, 31.8000

Conversions

Conversions Part 2

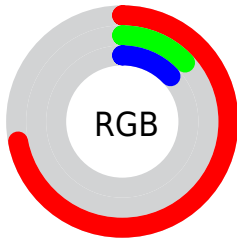
Format	Color
RYB	183, 33, 33
Decimal	12001569
CIELab	40.00, 57.63, 39.44
CIELCh	40, 69.830, 34.388
Yxy	11.2510, 0.5959, 0.3298
Android (android.graphics.Color)	4290191649 (0xFFB72121)
YUV	77.8500, -22.1110, 92.2166
Hunter-Lab	33.5425, 49.4710, 18.9980

Details

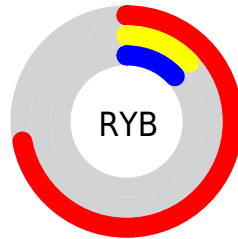
The CIELCh color **40, 69.830, 34.388** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **68, 37.428, 196.488**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 69.490, 34.391**, and **24, 58.472, 37.881** is the 20% darker color. If you saturate the color by 10%, you get **39, 77.022, 37.756**, and if you desaturate by 10%, it is **42, 61.186, 30.900**.

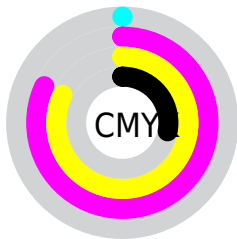
Distribution



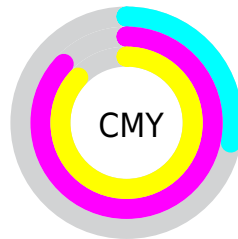
- Red (72%)
- Green (13%)
- Blue (13%)



- Red (72%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (28%)



- Cyan (28%)
- Magenta (87%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 69.830, 34.388 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, 69.830, 34.388 by changing the saturation by 10% instead.

 40, 69.830, 34.388

 40, 69.830, 34.388

 100, 69.830,
34.388

 30, 69.830, 34.388

 60, 69.830, 34.388

 20, 69.830, 34.388

 70, 69.830, 34.388

 10, 69.830, 34.388

 80, 69.830, 34.388

 0, 69.830, 34.388

 90, 69.830, 34.388

 40, 69.830, 34.388

 40, 69.830, 34.388

 39, 77.022, 37.756

 42, 61.186, 30.900

 38, 81.471, 39.987

 45, 51.962, 27.874

■ 49, 42.598, 25.444

■ 53, 33.400, 23.558

■ 58, 24.586, 22.109

■ 63, 16.282, 20.994

■ 68, 8.542, 20.114

■ 73, 1.369, 19.136

■ 79, 5.267, 199.093

Harmonies

Complementary

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



40, 69.830, 34.388



68, 37.428, 196.488

Rectangle

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



40, 69.830, 34.388



40, 69.830, 84.388



40, 69.830, 214.388



40, 69.830, 264.388

Sweetspot

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



40, 69.827, 34.390



78, 23.148, 21.343



45, 84.838, 327.459



39, 16.131, 21.735



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 69.827, 34.390



50, 97.921, 39.552



52, 57.008, 63.196



36, 4.004, 19.904



32, 71.865, 39.593



2, 10.638, 19.396

Inverse Universe

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



40, 69.827, 34.390



50, 97.921, 39.552



46, 44.915, 274.283



36, 4.004, 19.904



32, 71.865, 39.593



2, 10.638, 19.396

Previews

White Background



This preview shows how the CIELCh color 40, 69.830, 34.388 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, 69.830, 34.388 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, 69.830, 34.388

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.830, 34.388.



This preview shows how white text looks on a background with the CIELCh color 40, 69.830, 34.388.

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, 69.830, 34.388

Protanopia

41, 28.132, 96.929

Deuteranopia

41, 43.427, 83.136



Tritanopia
40, 70.110, 34.761

Trichromacy



Original Color
40, 69.830, 34.388

Protanomaly
38, 36.636, 51.701

Deuteranomaly
39, 49.317, 55.165

Tritanomaly
40, 70.110, 34.761

Monochromacy



Original Color
40, 69.830, 34.388

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 25.731, 24.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.830, 34.388 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(183, 33, 33)` looks like.

```
.text, #text, p{  
    color:rgb(183, 33, 33)  
}
```

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(183, 33, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 33, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.830, 34.388 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(183, 33, 33) }
```

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

```
.border{ border-color:rgb(183, 33, 33) }
```

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

Here you see how a box with a 4 pixel rgb(183, 33, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 33, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 33, 33);  
box-shadow:4px 4px 4px 4px rgb(183, 33,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.830, 34.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 33, 33) }
```

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

```
.background{ background-color: rgb(183, 33,  
33) }
```

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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