

Converting Colors

CIELCh(41, 75.802, 32.639)

Have a look what the booklet for
CIELCh(41, 75.802, 32.639) contains.

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Color

CIELCh(41, 75.783, 32.777)

Conversions

Conversions Part 1

Format	Color
Hex	C11121
RGB	193, 17, 33
RGB Percent	76%, 7%, 13%
CMY	0.2422, 0.9353, 0.8700
CMYK	0.00, 0.91, 0.83, 0.24
HSL	354°, 84%, 41%
HSV	354°, 91%, 76%
XYZ	22.5226, 11.8645, 2.5537
YIQ	71.4480, 99.7600, 42.2880

Conversions

Conversions Part 2

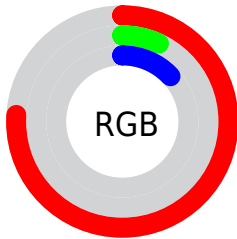
Format	Color
RYB	193, 17, 33
Decimal	12652833
CIELab	41.00, 63.72, 41.03
CIElCh	41, 75.783, 32.777
Yxy	11.8645, 0.6097, 0.3212
Android (android.graphics.Color)	4290842913 (0xFFC11121)
YUV	71.4480, -18.9549, 106.6011
Hunter-Lab	34.4449, 56.4375, 19.7157

Details

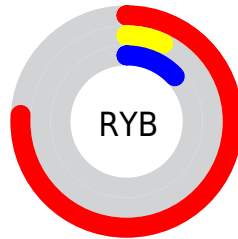
The CIELCh color **41, 75.783, 32.777** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **71, 43.454, 183.913**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 74.579, 32.704**, and **26, 62.099, 38.505** is the 20% darker color. If you saturate the color by 10%, you get **40, 80.900, 36.272**, and if you desaturate by 10%, it is **43, 68.656, 28.328**.

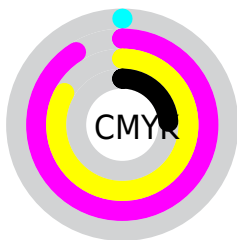
Distribution



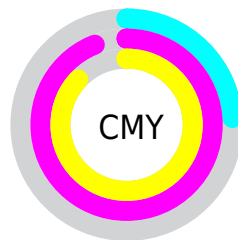
- Red (76%)
- Green (7%)
- Blue (13%)



- Red (76%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (91%)
- Yellow (83%)
- Black (24%)



- Cyan (24%)
- Magenta (94%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 75.783, 32.777 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, 75.783, 32.777 by changing the saturation by 10% instead.

■ 41, 75.783, 32.777

■ 41, 75.783, 32.777

■ 100, 75.783,
32.777

■ 31, 75.783, 32.777

■ 61, 75.783, 32.777

■ 21, 75.783, 32.777

■ 71, 75.783, 32.777

■ 11, 75.783, 32.777

■ 81, 75.783, 32.777

■ 1, 75.783, 32.777

■ 91, 75.783, 32.777

■ 0, 75.783, 32.777

■ 41, 75.783, 32.777

■ 41, 75.783, 32.777

■ 40, 80.900, 36.272

■ 43, 68.656, 28.328

■ 45, 60.603, 24.356

■ 48, 51.918, 21.090

■ 52, 42.898, 18.499

■ 57, 33.844, 16.465

■ 62, 25.006, 14.861

■ 67, 16.546, 13.576

■ 72, 8.553, 12.517

■ 77, 1.055, 11.236

Harmonies

Complementary

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



41, 75.783, 32.777



71, 43.454, 183.913

Rectangle

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



41, 75.783, 32.777



41, 75.783, 82.777



41, 75.783, 212.777



41, 75.783, 262.777

Sweetspot

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



41, 75.780, 32.779



81, 26.349, 14.311



43, 92.437, 324.526



41, 18.086, 14.784



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 75.780, 32.779



53, 99.730, 36.953



50, 67.704, 54.671



38, 4.213, 12.313



33, 70.040, 35.651



3, 14.073, 14.269

Inverse Universe

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



41, 75.780, 32.779



53, 99.730, 36.953



50, 44.539, 268.334



38, 4.213, 12.313



33, 70.040, 35.651



3, 14.073, 14.269

Previews

White Background



This preview shows how the CIELCh color 41, 75.783, 32.777 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, 75.783, 32.777 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, 75.783, 32.777

Background



This preview shows how black text looks on a background with the CIELCh color 41, 75.783, 32.777.



This preview shows how white text looks on a background with the CIELCh color 41, 75.783, 32.777.

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, 75.690, 32.864

Protanopia

41, 27.601, 95.959

Deuteranopia

41, 45.628, 83.290



Tritanopia
41, 80.260, 38.559

Trichromacy



Original Color
41, 75.690, 32.864

Protanomaly
38, 39.465, 44.327

Deuteranomaly
38, 52.892, 51.576

Tritanomaly
41, 78.692, 36.786

Monochromacy



Original Color
41, 75.690, 32.864

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 30.447, 18.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 75.783, 32.777 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(193, 17, 33)` looks like.

```
.text, #text, p{  
    color:rgb(193, 17, 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(193, 17, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 17, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 75.783, 32.777 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(193, 17, 33) }
```

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

```
.border{ border-color:rgb(193, 17, 33) }
```

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

Here you see how a box with a 4 pixel rgb(193, 17, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 17, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 17, 33);  
box-shadow:4px 4px 4px 4px rgb(193, 17,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 75.783, 32.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 17, 33) }
```

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

```
.background{ background-color: rgb(193, 17,  
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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