

Converting Colors

CIELCh(40, 64.409, 21.206)

Have a look what the booklet for
CIELCh(40, 64.409, 21.206) contains.

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Color

CIELCh(40, 64.272, 21.192)

Conversions

Conversions Part 1

Format	Color
Hex	B71C3C
RGB	183, 28, 60
RGB Percent	72%, 11%, 24%
CMY	0.2818, 0.8894, 0.7643
CMYK	0.00, 0.85, 0.67, 0.28
HSL	348°, 73%, 41%
HSV	348°, 85%, 72%
XYZ	20.7992, 11.2510, 5.3641
YIQ	77.9930, 82.1080, 42.8120

Conversions

Conversions Part 2

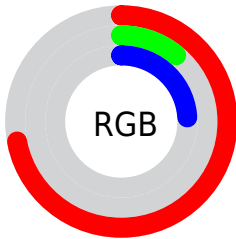
Format	Color
RYB	183, 28, 60
Decimal	12000316
CIELab	40.00, 59.93, 23.23
CIElCh	40, 64.272, 21.192
Yxy	11.2510, 0.5559, 0.3007
Android (android.graphics.Color)	4290190396 (0xFFB71C3C)
YUV	77.9930, -8.8705, 92.0911
Hunter-Lab	33.5425, 51.9860, 13.9981

Details

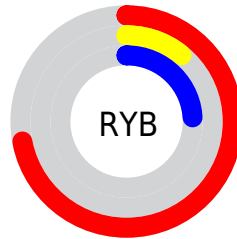
The CIELCh color **40, 64.272, 21.192** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **67, 45.582, 172.990**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 64.301, 21.067**, and **24, 54.378, 30.535** is the 20% darker color. If you saturate the color by 10%, you get **39, 69.485, 26.245**, and if you desaturate by 10%, it is **42, 58.106, 16.911**.

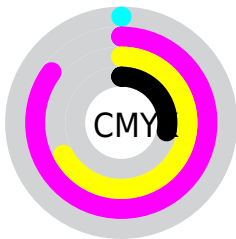
Distribution



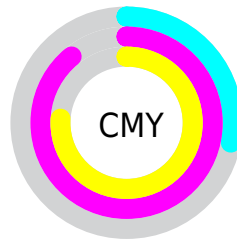
- Red (72%)
- Green (11%)
- Blue (24%)



- Red (72%)
- Yellow (11%)
- Blue (24%)



- Cyan (0%)
- Magenta (85%)
- Yellow (67%)
- Black (28%)



- Cyan (28%)
- Magenta (89%)
- Yellow (76%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 64.272, 21.192 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, 64.272, 21.192 by changing the saturation by 10% instead.

 40, 64.272, 21.192

 40, 64.272, 21.192

 100, 64.272,
21.192

 30, 64.272, 21.192

 60, 64.272, 21.192

 20, 64.272, 21.192

 70, 64.272, 21.192

 10, 64.272, 21.192

 80, 64.272, 21.192

 0, 64.272, 21.192

 90, 64.272, 21.192

 40, 64.272, 21.192

 40, 64.272, 21.192

 39, 69.485, 26.245

 42, 58.106, 16.911

 38, 72.176, 28.971

 45, 51.015, 13.454

■ 49, 43.222, 10.716

■ 53, 35.045, 8.544

■ 57, 26.782, 6.800

■ 62, 18.656, 5.373

■ 67, 10.810, 4.174

■ 72, 3.320, 3.075

■ 77, 3.786, 182.484

Harmonies

Complementary

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



40, 64.272, 21.192



67, 45.582, 172.990

Rectangle

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



40, 64.272, 21.192



40, 64.272, 71.192



40, 64.272, 201.192



40, 64.272, 251.192

Sweetspot

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



40, 64.269, 21.194



78, 23.434, 5.479



39, 86.711, 320.726



40, 16.239, 5.956



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, 64.269, 21.194



50, 88.353, 29.952



45, 63.429, 47.482



36, 4.148, 3.603



32, 63.571, 28.207



2, 10.920, 7.094

Inverse Universe

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



40, 64.269, 21.194



50, 88.353, 29.952



54, 34.295, 245.897



36, 4.148, 3.603



32, 63.571, 28.207



2, 10.920, 7.094

Previews

White Background



This preview shows how the CIELCh color 40, 64.272, 21.192 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, 64.272, 21.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

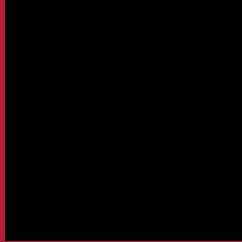
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 64.272, 21.192

Background



This preview shows how black text looks on a background with the CIELCh color 40, 64.272, 21.192.



This preview shows how white text looks on a background with the CIELCh color 40, 64.272, 21.192.

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, 64.272, 21.192

Protanopia

40, 6.434, 89.351

Deuteranopia

40, 26.937, 78.279



Tritanopia
40, 68.821, 34.337

Trichromacy



Original Color
40, 64.272, 21.192

Protanomaly
37, 26.996, 17.642

Deuteranomaly
38, 37.166, 36.748

Tritanomaly
40, 66.726, 30.204

Monochromacy



Original Color
40, 64.272, 21.192

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 26.146, 9.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 64.272, 21.192 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, 28, 60)` looks like.

```
.text, #text, p{  
    color:rgb(183, 28, 60)  
}
```

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, 28, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 28, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 64.272, 21.192 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, 28, 60) }
```

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

```
.border{ border-color:rgb(183, 28, 60) }
```

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

Here you see how a box with a 4 pixel rgb(183, 28, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 28, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 28, 60);  
box-shadow:4px 4px 4px 4px rgb(183, 28,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 64.272, 21.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 28, 60) }
```

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

```
.background{ background-color: rgb(183, 28,  
60) }
```

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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