

Converting Colors

CIELCh(40, 63.625, 28.950)

Have a look what the booklet for
CIELCh(40, 63.625, 28.950) contains.

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Color

CIELCh(40, 63.742, 28.744)

Conversions

Conversions Part 1

Format	Color
Hex	B42630
RGB	180, 38, 48
RGB Percent	71%, 15%, 19%
CMY	0.2952, 0.8521, 0.8125
CMYK	0.00, 0.79, 0.73, 0.30
HSL	356°, 65%, 43%
HSV	356°, 79%, 70%
XYZ	19.9741, 11.2510, 3.8949
YIQ	81.5980, 81.4220, 33.2140

Conversions

Conversions Part 2

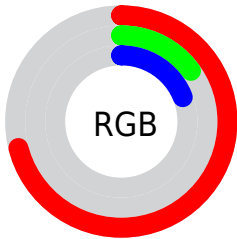
Format	Color
R_{YB}	180, 38, 48
Decimal	11806256
CIE _{Lab}	40.00, 55.89, 30.65
CIE _{LCh}	40, 63.742, 28.744
Yxy	11.2510, 0.5687, 0.3204
Android (android.graphics.Color)	4289996336 (0xFFB42630)
YUV	81.5980, -16.5638, 86.2986
Hunter-Lab	33.5425, 47.5952, 16.5951

Details

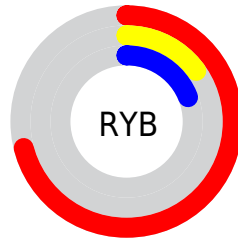
The CIELCh color **40, 63.742, 28.744** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **66, 38.244, 187.870**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.525, 29.002**, and **23, 56.974, 36.729** is the 20% darker color. If you saturate the color by 10%, you get **38, 70.972, 32.937**, and if you desaturate by 10%, it is **43, 55.702, 25.048**.

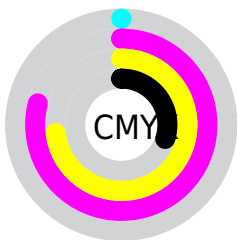
Distribution



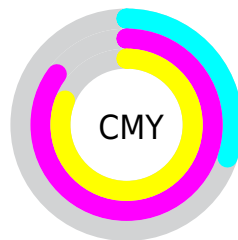
- Red (71%)
- Green (15%)
- Blue (19%)



- Red (71%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (79%)
- Yellow (73%)
- Black (30%)



- Cyan (30%)
- Magenta (85%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 63.742, 28.744 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, 63.742, 28.744 by changing the saturation by 10% instead.

 40, 63.742, 28.744

 40, 63.742, 28.744

 100, 63.742,
28.744

 30, 63.742, 28.744

 60, 63.742, 28.744

 20, 63.742, 28.744

 70, 63.742, 28.744

 10, 63.742, 28.744

 80, 63.742, 28.744

 0, 63.742, 28.744

 90, 63.742, 28.744

 40, 63.742, 28.744

 40, 63.742, 28.744

 38, 70.972, 32.937

 43, 55.702, 25.048

 37, 76.929, 36.835

 46, 47.189, 22.026

37, 77.449, 37.122

50, 38.496, 19.637

54, 29.892, 17.765

59, 21.581, 16.292

64, 13.688, 15.115

69, 6.271, 14.135

74, 0.661, 194.207

79, 7.126, 192.885

Harmonies

Complementary

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



40, 63.742, 28.744



66, 38.244, 187.870

Rectangle

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



40, 63.742, 28.744



40, 63.742, 78.744



40, 63.742, 208.744



40, 63.742, 258.744

Sweetspot

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



40, 63.739, 28.746



78, 21.843, 15.720



43, 82.087, 325.171



39, 15.164, 16.151



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, 63.739, 28.746



49, 92.276, 36.079



50, 54.888, 57.897



35, 3.922, 14.164



31, 68.337, 36.599



2, 9.195, 14.846

Inverse Universe

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



40, 63.739, 28.746



49, 92.276, 36.079



49, 38.377, 264.686



35, 3.922, 14.164



31, 68.337, 36.599



2, 9.195, 14.846

Previews

White Background



This preview shows how the CIELCh color 40, 63.742, 28.744 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, 63.742, 28.744 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, 63.742, 28.744

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.742, 28.744.



This preview shows how white text looks on a background with the CIELCh color 40, 63.742, 28.744.

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, 63.742, 28.744

Protanopia

40, 17.281, 95.114

Deuteranopia

40, 34.039, 80.994



Tritanopia
40, 65.225, 32.570

Trichromacy



Original Color
40, 63.742, 28.744

Protanomaly
38, 29.457, 39.739

Deuteranomaly
39, 40.689, 49.054

Tritanomaly
40, 64.417, 31.234

Monochromacy



Original Color
40, 63.742, 28.744

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 24.192, 17.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.742, 28.744 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(180, 38, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 38, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.742, 28.744 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, 48) }
```

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

```
.border{ border-color:rgb(180, 38, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 38, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 38, 48);  
box-shadow:4px 4px 4px 4px rgb(180, 38,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.742, 28.744 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, 48) }
```

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

```
.background{ background-color: rgb(180, 38,  
48) }
```

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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