

Converting Colors

CIELCh(41, 63.851, 38.253)

Have a look what the booklet for
CIELCh(41, 63.851, 38.253) contains.

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Color

CIELCh(41, 63.635, 38.260)

Conversions

Conversions Part 1

Format	Color
Hex	B13322
RGB	177, 51, 34
RGB Percent	69%, 20%, 13%
CMY	0.3052, 0.7994, 0.8662
CMYK	0.00, 0.71, 0.81, 0.31
HSL	7°, 68%, 41%
HSV	7°, 81%, 69%
XYZ	19.6513, 11.8645, 2.7770
YIQ	86.7360, 80.5530, 21.4250

Conversions

Conversions Part 2

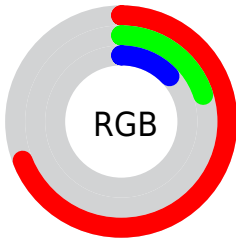
Format	Color
RYB	177, 53, 34
Decimal	11612962
CIELab	41.00, 49.97, 39.40
CIElCh	41, 63.635, 38.260
Yxy	11.8645, 0.5730, 0.3460
Android (android.graphics.Color)	4289803042 (0xFFB13322)
YUV	86.7360, -25.9988, 79.1615
Hunter-Lab	34.4449, 41.5578, 19.3314

Details

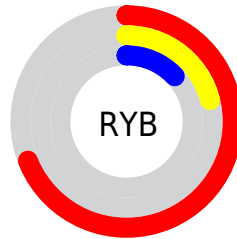
The CIELCh color **41, 63.635, 38.260** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **61, 32.235, 214.480**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 63.668, 38.181**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **39, 71.661, 40.089**, and if you desaturate by 10%, it is **44, 54.705, 36.316**.

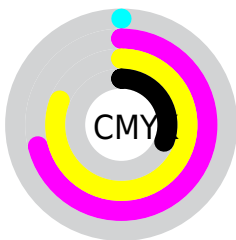
Distribution



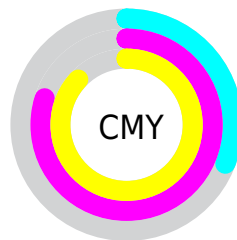
- Red (69%)
- Green (20%)
- Blue (13%)



- Red (69%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (71%)
- Yellow (81%)
- Black (31%)



- Cyan (31%)
- Magenta (80%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 63.635, 38.260 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, 63.635, 38.260 by changing the saturation by 10% instead.

 41, 63.635, 38.260

 41, 63.635, 38.260

 100, 63.635,
38.260

 31, 63.635, 38.260

 61, 63.635, 38.260

 21, 63.635, 38.260

 71, 63.635, 38.260

 11, 63.635, 38.260

 81, 63.635, 38.260

 1, 63.635, 38.260

 91, 63.635, 38.260

 0, 63.635, 38.260

 41, 63.635, 38.260

 41, 63.635, 38.260

 39, 71.661, 40.089

 44, 54.705, 36.316

 38, 77.639, 41.561

 47, 45.657, 34.626

■ 50, 36.855, 33.287

■ 54, 28.489, 32.281

■ 59, 20.650, 31.554

■ 63, 13.372, 31.046

■ 67, 6.645, 30.688

■ 72, 0.439, 29.421

■ 77, 5.291, 210.585

Harmonies

Complementary

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



41, 63.635, 38.260



61, 32.235, 214.480

Rectangle

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



41, 63.635, 38.260



41, 63.635, 88.260



41, 63.635, 218.260



41, 63.635, 268.260

Sweetspot

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



41, 63.633, 38.262



78, 19.388, 31.211



43, 75.770, 332.424



39, 13.497, 31.390



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



41, 63.633, 38.262



49, 92.712, 40.928



56, 54.937, 75.415



35, 3.505, 30.642



32, 69.177, 41.482



3, 8.387, 27.802

Inverse Universe

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



61, 32.235, 214.480



75, 40.585, 217.797



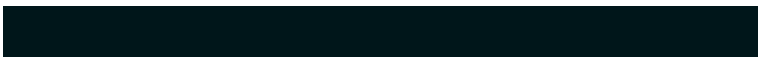
39, 54.143, 286.121



37, 3.303, 210.572



51, 30.132, 217.751



6, 7.856, 216.385

Previews

White Background



This preview shows how the CIELCh color 41, 63.635, 38.260 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, 63.635, 38.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

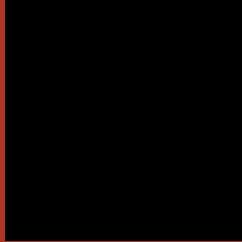
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 63.635, 38.260

Background



This preview shows how black text looks on a background with the CIELCh color 41, 63.635, 38.260.



This preview shows how white text looks on a background with the CIELCh color 41, 63.635, 38.260.

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, 63.635, 38.260

Protanopia

41, 30.310, 96.361

Deuteranopia

41, 42.762, 83.123



Tritanopia
41, 59.747, 30.017

Trichromacy



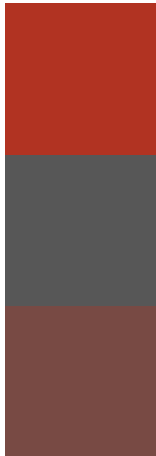
Original Color
41, 63.635, 38.260

Protanomaly
40, 36.312, 60.313

Deuteranomaly
40, 46.880, 60.096

Tritanomaly
41, 61.090, 33.250

Monochromacy



Original Color
41, 63.635, 38.260

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 22.196, 32.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 63.635, 38.260 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(177, 51, 34)` looks like.

```
.text, #text, p{  
    color:rgb(177, 51, 34)  
}
```

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(177, 51, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 51, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 63.635, 38.260 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(177, 51, 34) }
```

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

```
.border{ border-color:rgb(177, 51, 34) }
```

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

Here you see how a box with a 4 pixel rgb(177, 51, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 51, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 51, 34);  
box-shadow:4px 4px 4px 4px rgb(177, 51,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 63.635, 38.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 51, 34) }
```

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

```
.background{ background-color: rgb(177, 51,  
34) }
```

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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