

Converting Colors

CIELCh(41, 63.163, 41.239)

Have a look what the booklet for
CIELCh(41, 63.163, 41.239) contains.

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Color

CIELCh(41, 63.439, 41.460)

Conversions

Conversions Part 1

Format	Color
Hex	AF371D
RGB	175, 55, 29
RGB Percent	69%, 22%, 11%
CMY	0.3151, 0.7855, 0.8873
CMYK	0.00, 0.69, 0.84, 0.32
HSL	11°, 72%, 40%
HSV	11°, 84%, 68%
XYZ	19.1718, 11.8645, 2.4253
YIQ	87.9160, 79.8660, 17.3540

Conversions

Conversions Part 2

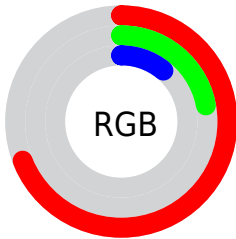
Format	Color
RYB	175, 61, 29
Decimal	11482909
CIELab	41.00, 47.54, 42.00
CIElCh	41, 63.439, 41.460
Yxy	11.8645, 0.5729, 0.3546
Android (android.graphics.Color)	4289672989 (0xFFAF371D)
YUV	87.9160, -29.0456, 76.3727
Hunter-Lab	34.4449, 39.0731, 19.9367

Details

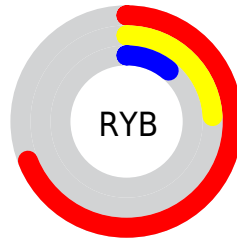
The CIELCh color **41, 63.439, 41.460** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **57, 31.476, 225.602**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 63.325, 41.138**, and **22, 55.584, 37.281** is the 20% darker color. If you saturate the color by 10%, you get **39, 71.022, 42.340**, and if you desaturate by 10%, it is **44, 54.761, 40.230**.

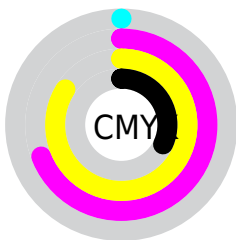
Distribution



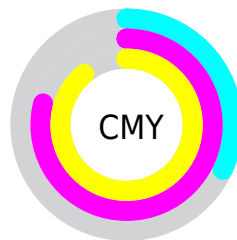
- Red (69%)
- Green (22%)
- Blue (11%)



- Red (69%)
- Yellow (24%)
- Blue (11%)



- Cyan (0%)
- Magenta (69%)
- Yellow (84%)
- Black (32%)



- Cyan (32%)
- Magenta (79%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 63.439, 41.460 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, 63.439, 41.460 by changing the saturation by 10% instead.

41, 63.439, 41.460

41, 63.439, 41.460

100, 63.439,
41.460

31, 63.439, 41.460

61, 63.439, 41.460

21, 63.439, 41.460

71, 63.439, 41.460

11, 63.439, 41.460

81, 63.439, 41.460

1, 63.439, 41.460

91, 63.439, 41.460

0, 63.439, 41.460

41, 63.439, 41.460

41, 63.439, 41.460

39, 71.022, 42.340

44, 54.761, 40.230

38, 75.286, 42.952

47, 45.921, 39.088

■ 50, 37.337, 38.184

■ 54, 29.201, 37.538

■ 57, 21.596, 37.122

■ 61, 14.543, 36.892

■ 66, 8.028, 36.798

■ 70, 2.016, 36.663

■ 74, 3.537, 217.186

Harmonies

Complementary

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



41, 63.439, 41.460



57, 31.476, 225.602

Rectangle

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



41, 63.439, 41.460



41, 63.439, 91.460



41, 63.439, 221.460



41, 63.439, 271.460

Sweetspot

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



41, 63.437, 41.462



77, 19.259, 36.924



41, 73.420, 334.835



39, 13.436, 36.995



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, 63.437, 41.462



49, 92.057, 42.571



56, 56.462, 79.319



34, 3.279, 36.777



32, 66.963, 43.016



2, 6.848, 33.312

Inverse Universe

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



57, 31.476, 225.602



70, 39.946, 231.250



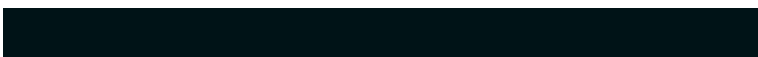
35, 60.241, 290.654



36, 3.094, 217.204



48, 29.399, 230.116



5, 6.480, 224.804

Previews

White Background



This preview shows how the CIELCh color 41, 63.439, 41.460 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 CIE LCh color 41, 63.439, 41.460 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, 63.439, 41.460

Background



This preview shows how black text looks on a background with the CIELCh color 41, 63.439, 41.460.



This preview shows how white text looks on a background with the CIELCh color 41, 63.439, 41.460.

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, 63.439, 41.460

Protanopia

41, 34.035, 95.886

Deuteranopia

41, 45.430, 83.875



Tritanopia
41, 57.020, 29.210

Trichromacy



Original Color
41, 63.439, 41.460

Protanomaly
40, 38.883, 64.029

Deuteranomaly
40, 48.840, 63.066

Tritanomaly
41, 59.127, 34.144

Monochromacy



Original Color
41, 63.439, 41.460

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 22.099, 38.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 63.439, 41.460 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(175, 55, 29)` looks like.

```
.text, #text, p{  
    color:rgb(175, 55, 29)  
}
```

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(175, 55, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 55, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 63.439, 41.460 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(175, 55, 29) }
```

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

```
.border{ border-color:rgb(175, 55, 29) }
```

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

Here you see how a box with a 4 pixel rgb(175, 55, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 55, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 55, 29);  
box-shadow:4px 4px 4px 4px rgb(175, 55,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 63.439, 41.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 55, 29) }
```

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

```
.background{ background-color: rgb(175, 55,  
29) }
```

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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