

Converting Colors

CIELCh(41, 68.590, 49.693)

Have a look what the booklet for
CIELCh(41, 68.590, 49.693) contains.

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Color

CIELCh(41, 68.622, 49.853)

Conversions

Conversions Part 1

Format	Color
Hex	AC3B00
RGB	172, 59, 0
RGB Percent	67%, 23%, 0%
CMY	0.3262, 0.7692, 1.0000
CMYK	0.00, 0.66, 1.00, 0.33
HSL	21°, 100%, 34%
HSV	21°, 100%, 67%
XYZ	18.5321, 11.8645, 1.3094
YIQ	86.0610, 86.2870, 5.6070

Conversions

Conversions Part 2

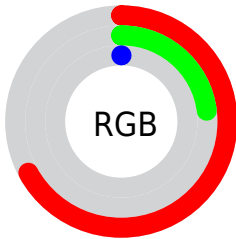
Format	Color
R _Y B	172, 90, 0
Decimal	11287296
CIE Lab	41.00, 44.24, 52.45
CIE LCh	41, 68.622, 49.853
Yxy	11.8645, 0.5845, 0.3742
Android (android.graphics.Color)	4289477376 (0xFFAC3B00)
YUV	86.0610, -42.4281, 75.3685
Hunter-Lab	34.4449, 35.7582, 21.8575

Details

The CIELCh color **41, 68.622, 49.853** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **45, 39.067, 263.324**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.652, 49.542**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.587, 49.830**, and if you desaturate by 10%, it is **43, 62.348, 50.997**.

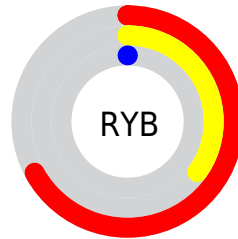
Distribution



Red (67%)

Green (23%)

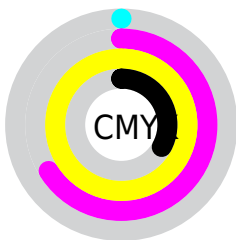
Blue (0%)



Red (67%)

Yellow (35%)

Blue (0%)

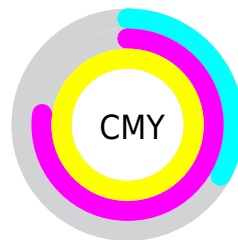


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 68.622, 49.853 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, 68.622, 49.853 by changing the saturation by 10% instead.

41, 68.622, 49.853

41, 68.622, 49.853

100, 68.622,
49.853

31, 68.622, 49.853

61, 68.622, 49.853

21, 68.622, 49.853

71, 68.622, 49.853

11, 68.622, 49.853

81, 68.622, 49.853

1, 68.622, 49.853

91, 68.622, 49.853

0, 68.622, 49.853

41, 68.622, 49.853

41, 68.622, 49.853

41, 68.587, 49.830

43, 62.348, 50.997

45, 55.029, 51.838

■ 48, 47.084, 52.348

■ 51, 39.152, 52.795

■ 54, 31.530, 53.288

■ 57, 24.335, 53.860

■ 60, 17.601, 54.510

■ 63, 11.321, 55.221

■ 67, 5.465, 55.957

Harmonies

Complementary

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



41, 68.622, 49.853



45, 39.067, 263.324

Rectangle

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



41, 68.622, 49.853



41, 68.622, 99.853



41, 68.622, 229.853



41, 68.622, 279.853

Sweetspot

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



41, 68.587, 49.830



77, 21.912, 54.473



38, 67.354, 347.278



39, 15.152, 54.201



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



41, 68.587, 49.830



53, 84.257, 49.179



60, 64.636, 90.783



35, 3.109, 56.006



36, 61.960, 50.226



3, 6.416, 49.008

Inverse Universe

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



45, 39.067, 263.324



58, 48.225, 264.338



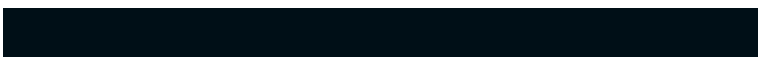
23, 89.669, 303.320



35, 2.976, 237.776



40, 35.195, 262.718



4, 6.579, 248.265

Previews

White Background



This preview shows how the CIELCh color 41, 68.622, 49.853 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, 68.622, 49.853 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, 68.622, 49.853

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.622, 49.853.



This preview shows how white text looks on a background with the CIELCh color 41, 68.622, 49.853.

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, 68.622, 49.853

Protanopia

41, 43.577, 95.647

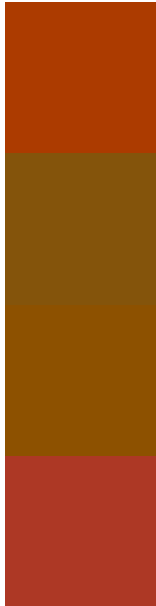
Deuteranopia

41, 49.105, 84.724



Tritanopia
41, 54.452, 27.907

Trichromacy



Original Color
41, 68.622, 49.853

Protanomaly
40, 47.698, 72.413

Deuteranomaly
40, 53.434, 67.885

Tritanomaly
41, 59.938, 38.823

Monochromacy



Original Color
41, 68.622, 49.853

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.525, 52.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.622, 49.853 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(172, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 59, 0)  
}
```

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(172, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 59, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.622, 49.853 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(172, 59, 0) }
```

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

```
.border{ border-color:rgb(172, 59, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.622, 49.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 59, 0) }
```

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

```
.background{ background-color: rgb(172, 59,  
0) }
```

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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