

Converting Colors

CIELCh(42, 66.426, 52.643)

Have a look what the booklet for
CIELCh(42, 66.426, 52.643) contains.

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Color

CIELCh(42, 66.343, 52.611)

Conversions

Conversions Part 1

Format	Color
Hex	AA4200
RGB	170, 66, 0
RGB Percent	67%, 26%, 0%
CMY	0.3323, 0.7403, 0.9991
CMYK	0.00, 0.61, 1.00, 0.33
HSL	23°, 100%, 33%
HSV	23°, 100%, 67%
XYZ	18.5995, 12.5000, 1.4392
YIQ	89.5720, 83.1700, 1.5220

Conversions

Conversions Part 2

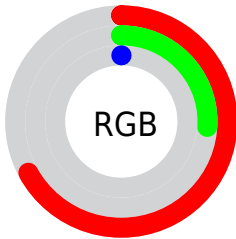
Format	Color
R_{YB}	170, 108, 0
Decimal	11158016
CIE _{Lab}	42.00, 40.29, 52.71
CIE _{LCh}	42, 66.343, 52.611
Yxy	12.5000, 0.5716, 0.3842
Android (android.graphics.Color)	4289348096 (0xFFAA4200)
YUV	89.5720, -44.1590, 70.5354
Hunter-Lab	35.3553, 32.0325, 22.3352

Details

The CIELCh color **42, 66.343, 52.611** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **43, 42.264, 270.274**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.191, 52.307**, and **22, 52.506, 39.357** is the 20% darker color. If you saturate the color by 10%, you get **42, 66.429, 52.599**, and if you desaturate by 10%, it is **44, 60.500, 54.217**.

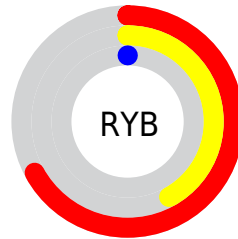
Distribution



Red (67%)

Green (26%)

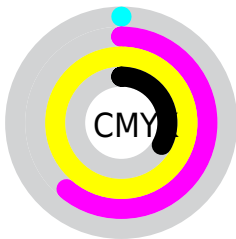
Blue (0%)



Red (67%)

Yellow (42%)

Blue (0%)

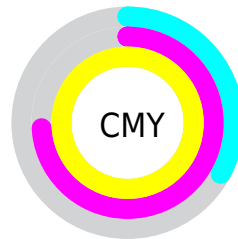


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 66.343, 52.611 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 42, 66.343, 52.611 by changing the saturation by 10% instead.

42, 66.343, 52.611

42, 66.343, 52.611

100, 66.343,
52.611

32, 66.343, 52.611

62, 66.343, 52.611

22, 66.343, 52.611

72, 66.343, 52.611

12, 66.343, 52.611

82, 66.343, 52.611

2, 66.343, 52.611

92, 66.343, 52.611

0, 66.343, 52.611

42, 66.343, 52.611

42, 66.343, 52.611

42, 66.429, 52.599

44, 60.500, 54.217

46, 53.583, 55.461

■ 49, 45.996, 56.345

■ 52, 38.362, 57.125

■ 54, 30.979, 57.909

■ 57, 23.969, 58.736

■ 60, 17.372, 59.609

■ 63, 11.182, 60.517

■ 67, 5.376, 61.429

Harmonies

Complementary

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



42, 66.343, 52.611



43, 42.264, 270.274

Rectangle

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



42, 66.343, 52.611



42, 66.343, 102.611



42, 66.343, 232.611



42, 66.343, 282.611

Sweetspot

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



42, 66.341, 52.613



77, 21.694, 59.548



37, 65.132, 351.247



39, 15.123, 59.187



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 66.341, 52.613



54, 81.413, 51.901



62, 66.039, 94.791



34, 3.051, 61.480



36, 59.670, 53.051



3, 5.382, 55.779

Inverse Universe

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



43, 42.264, 270.274



55, 52.269, 271.333



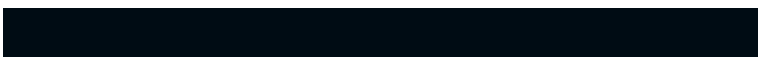
22, 92.758, 304.508



34, 2.939, 243.516



37, 37.821, 269.698



3, 5.634, 251.651

Previews

White Background



This preview shows how the CIELCh color 42, 66.343, 52.611 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 42, 66.343, 52.611 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 42, 66.343, 52.611

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.343, 52.611.



This preview shows how white text looks on a background with the CIELCh color 42, 66.343, 52.611.

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

42, 66.343, 52.611

Protanopia

42, 44.775, 95.159

Deuteranopia

42, 49.917, 84.486



Tritanopia
42, 50.500, 26.481

Trichromacy



Original Color
42, 66.343, 52.611

Protanomaly
41, 48.375, 74.412

Deuteranomaly
42, 53.500, 70.037

Tritanomaly
42, 55.993, 40.466

Monochromacy



Original Color
42, 66.343, 52.611

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 24.195, 57.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.343, 52.611 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(170, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 66, 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(170, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 66, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.343, 52.611 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(170, 66, 0) }
```

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

```
.border{ border-color:rgb(170, 66, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 66, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.343, 52.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 66, 0) }
```

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

```
.background{ background-color: rgb(170, 66,  
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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