

Converting Colors

CIELCh(52, 79.599, 130.087)

Have a look what the booklet for
CIELCh(52, 79.599, 130.087)
contains.

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Color

CIELCh(52, 74.505, 132.600)

Conversions

Conversions Part 1

Format	Color
Hex	2D8F00
RGB	45, 143, 0
RGB Percent	18%, 56%, 0%
CMY	0.8244, 0.4399, 1.0000
CMYK	0.69, 0.00, 1.00, 0.44
HSL	101°, 100%, 28%
HSV	101°, 100%, 56%
XYZ	10.8666, 20.1443, 3.3067
YIQ	97.3960, -12.5050, -65.2490

Conversions

Conversions Part 2

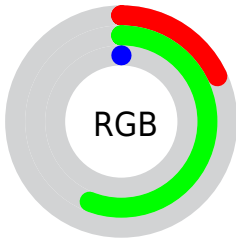
Format	Color
RYB	0, 143, 98
Decimal	2985728
CIELab	52.00, -50.43, 54.84
CIELCh	52, 74.505, 132.600
Yxy	20.1443, 0.3166, 0.5870
Android (android.graphics.Color)	4281175808 (0xFF2D8F00)
YUV	97.3960, -48.0162, -45.9513
Hunter-Lab	44.8824, -35.3274, 27.0496

Details

The CIELCh color **52, 74.505, 132.600** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **25, 77.875, 317.141**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 74.488, 132.686**, and **33, 56.439, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 74.460, 132.623**, and if you desaturate by 10%, it is **52, 71.001, 132.170**.

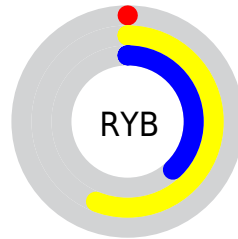
Distribution



Red (18%)

Green (56%)

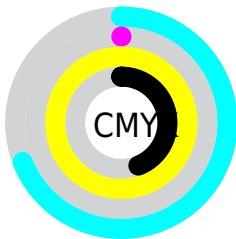
Blue (0%)



Red (0%)

Yellow (56%)

Blue (38%)

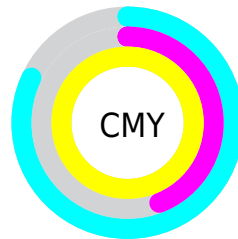


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (82%)

Magenta (44%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 74.505, 132.600 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 52, 74.505, 132.600 by changing the saturation by 10% instead.

 52, 74.505,
132.600

 52, 74.505,
132.600

 100, 74.505,
132.600


 42, 74.505,
132.600

 72, 74.505,
132.600

 32, 74.505,
132.600

 82, 74.505,
132.600

 22, 74.505,
132.600

 92, 74.505,
132.600

 12, 74.505,
132.600

 2, 74.505, 132.600

 0, 74.505, 132.600

■ 52, 74.505,
132.600

■ 52, 74.505,
132.600

■ 52, 74.460,
132.623

■ 52, 71.001,
132.170

■ 53, 66.258,
131.933

■ 53, 60.036,
132.049

■ 54, 52.697,
132.400

■ 54, 44.588,
132.877

■ 55, 35.986,
133.405

■ 56, 27.097,
133.934

■ 57, 18.068,

134.438

■ 58, 9.008, 134.907

Harmonies

Complementary

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



52, 74.505, 132.600



25, 77.875, 317.141

Rectangle

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



52, 74.505, 132.600



52, 74.505, 182.600



52, 74.505, 312.600



52, 74.505, 2.600

Sweetspot

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



52, 74.460, 132.623



72, 33.630, 133.901



45, 53.720, 77.820



37, 23.100, 133.702



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 74.460, 132.623



67, 90.810, 132.905



51, 73.168, 138.562



30, 5.083, 134.944



49, 71.470, 132.554



2, 3.429, 135.307

Inverse Universe

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



25, 77.875, 317.141



34, 94.769, 316.938



32, 65.261, 336.940



28, 5.125, 315.660



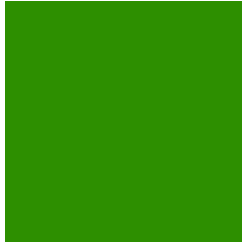
24, 74.789, 317.190



0, 3.429, 315.304

Previews

White Background



This preview shows how the CIELCh color 52, 74.505, 132.600 looks on a white background.

Color Contrast Check

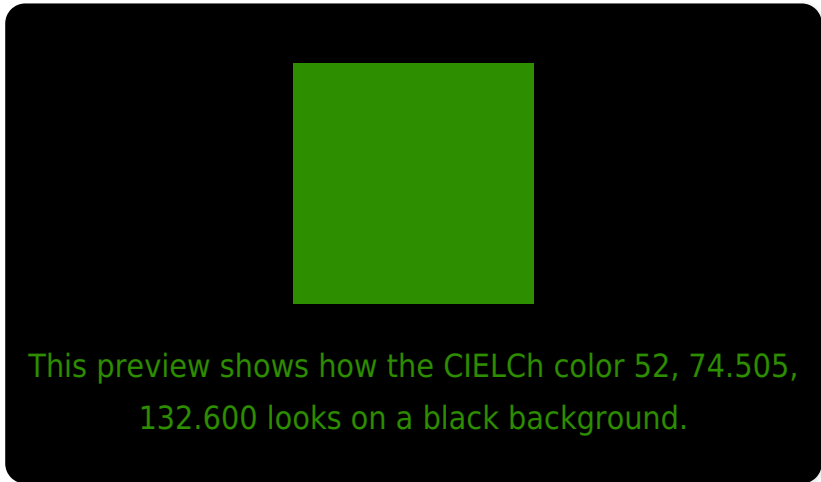
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

CIELCh 52, 74.505, 132.600

Background



This preview shows how black text looks on a background with the CIELCh color 52, 74.505, 132.600.



This preview shows how white text looks on a background with the CIELCh color 52, 74.505, 132.600.

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
52, 74.505, 132.600

Protanopia
52, 57.312, 95.582

Deuteranopia
52, 50.559, 82.493



Tritanopia
52, 20.185, 214.480

Trichromacy



Original Color
52, 74.505, 132.600

Protanomaly
51, 60.564, 114.314

Deuteranomaly
50, 53.876, 108.851

Tritanomaly
52, 38.489, 152.381

Monochromacy



Original Color
52, 74.505, 132.600

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 34.056, 133.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 74.505, 132.600 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(45, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 143, 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(45, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 143, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 74.505, 132.600 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(45, 143, 0) }
```

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

```
.border{ border-color:rgb(45, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 143, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 74.505, 132.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 143, 0) }
```

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

```
.background{ background-color: rgb(45, 143,  
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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