

Converting Colors

CIELCh(52, 44.366, 142.859)

Have a look what the booklet for
CIELCh(52, 44.366, 142.859)
contains.

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Color

CIELCh(52, 44.268, 142.944)

Conversions

Conversions Part 1

Format	Color
Hex	468A4C
RGB	70, 138, 76
RGB Percent	27%, 54%, 30%
CMY	0.7238, 0.4571, 0.7004
CMYK	0.49, 0.00, 0.45, 0.46
HSL	125°, 33%, 41%
HSV	125°, 49%, 54%
XYZ	13.0243, 20.1443, 10.1102
YIQ	110.6000, -20.6260, -33.6980

Conversions

Conversions Part 2

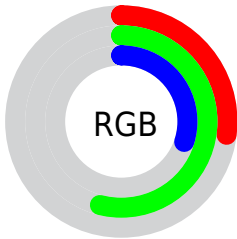
Format	Color
RYB	70, 132, 138
Decimal	4622924
CIELab	52.00, -35.33, 26.68
CIELCh	52, 44.268, 142.944
Yxy	20.1443, 0.3009, 0.4655
Android (android.graphics.Color)	4282813004 (0xFF468A4C)
YUV	110.6000, -17.0578, -35.6062
Hunter-Lab	44.8824, -26.7460, 18.0620

Details

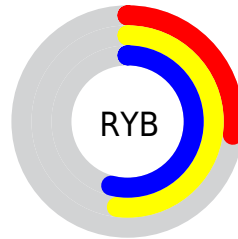
The CIELCh color **52, 44.268, 142.944** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **40, 44.055, 329.626**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 44.135, 142.972**, and **32, 44.038, 143.071** is the 20% darker color. If you saturate the color by 10%, you get **51, 52.336, 141.776**, and if you desaturate by 10%, it is **53, 35.634, 143.990**.

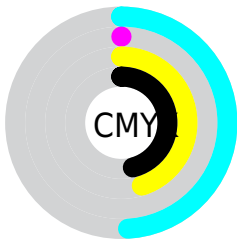
Distribution



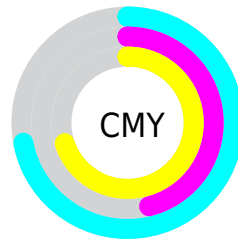
- Red (27%)
- Green (54%)
- Blue (30%)



- Red (27%)
- Yellow (52%)
- Blue (54%)



- Cyan (49%)
- Magenta (0%)
- Yellow (45%)
- Black (46%)



- Cyan (72%)
- Magenta (46%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 44.268, 142.944 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, 44.268, 142.944 by changing the saturation by 10% instead.

 52, 44.268,
142.944

 52, 44.268,
142.944

 100, 44.268,
142.944

 42, 44.268,
142.944


 72, 44.268,
142.944

 32, 44.268,
142.944

 82, 44.268,
142.944

 22, 44.268,
142.944

 92, 44.268,
142.944

 12, 44.268,
142.944

 2, 44.268, 142.944

 0, 44.268, 142.944

■ 52, 44.268,
142.944

■ 52, 44.268,
142.944

■ 51, 52.336,
141.776

■ 53, 35.634,
143.990

■ 51, 59.590,
140.515

■ 54, 26.648,
144.906

■ 50, 65.766,
139.224

■ 55, 17.489,
145.701

■ 50, 70.601,
138.002

■ 56, 8.304, 146.393

■ 50, 73.979,
137.068

■ 58, 0.799, 326.683

■ 50, 74.217,
137.017

■ 59, 9.738, 327.427

■ 61, 18.461,
327.866

■ 63, 26.934,
328.239

■ 65, 35.138,
328.561

Harmonies

Complementary

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



52, 44.268, 142.944



40, 44.055, 329.626

Rectangle

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



52, 44.268, 142.944



52, 44.268, 192.944



52, 44.268, 322.944



52, 44.268, 12.944

Sweetspot

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



52, 44.269, 142.944



71, 17.056, 145.974



56, 37.585, 109.535



37, 11.737, 145.841



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 44.269, 142.944



66, 64.848, 141.631



53, 29.926, 163.309



28, 5.114, 146.392



48, 71.858, 137.063



1, 2.364, 146.904

Inverse Universe

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



40, 44.055, 329.626



49, 64.003, 330.205



39, 32.549, 353.991



27, 5.124, 327.383



30, 66.512, 331.948



0, 2.365, 326.899

Previews

White Background



This preview shows how the CIELCh color 52, 44.268, 142.944 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



This preview shows how the CIE LCh color 52, 44.268, 142.944 looks on a 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, 44.268, 142.944

Background



This preview shows how black text looks on a background with the CIELCh color 52, 44.268, 142.944.



This preview shows how white text looks on a background with the CIELCh color 52, 44.268, 142.944.

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, 44.268, 142.944

Protanopia

52, 30.138, 95.771

Deuteranopia

52, 25.662, 75.066



Tritanopia
52, 16.705, 220.659

Trichromacy



Original Color
52, 44.268, 142.944

Protanomaly
51, 32.494, 119.548

Deuteranomaly
51, 26.335, 111.621

Tritanomaly
52, 22.094, 172.230

Monochromacy



Original Color
52, 44.268, 142.944

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 17.019, 145.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 44.268, 142.944 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(70, 138, 76)` looks like.

```
.text, #text, p{  
    color:rgb(70, 138, 76)  
}
```

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(70, 138, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 138, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 44.268, 142.944 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(70, 138, 76) }
```

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

```
.border{ border-color:rgb(70, 138, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 138, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 138, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 138, 76);  
box-shadow:4px 4px 4px 4px rgb(70, 138,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 44.268, 142.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 138, 76) }
```

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

```
.background{ background-color: rgb(70, 138,  
76) }
```

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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