

Converting Colors

CIELCh(52, 43.787, 135.238)

Have a look what the booklet for
CIELCh(52, 43.787, 135.238)
contains.

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Color

CIELCh(52, 43.827, 135.103)

Conversions

Conversions Part 1

Format	Color
Hex	558945
RGB	85, 137, 69
RGB Percent	33%, 54%, 27%
CMY	0.6679, 0.4640, 0.7305
CMYK	0.38, 0.00, 0.50, 0.46
HSL	106°, 33%, 40%
HSV	106°, 50%, 54%
XYZ	13.6841, 20.1443, 8.7499
YIQ	113.7000, -9.1640, -32.1720

Conversions

Conversions Part 2

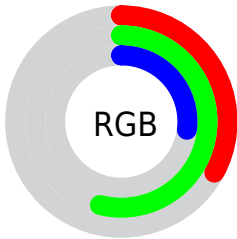
Format	Color
RYB	69, 137, 121
Decimal	5605701
CIELab	52.00, -31.05, 30.93
CIElCh	52, 43.827, 135.103
Yxy	20.1443, 0.3214, 0.4731
Android (android.graphics.Color)	4283795781 (0xFF558945)
YUV	113.7000, -22.0371, -25.1699
Hunter-Lab	44.8824, -24.1216, 19.8590

Details

The CIELCh color $52, 43.827, 135.103$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 44.908, 319.771$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $72, 43.861, 135.352$, and $32, 44.064, 135.077$ is the 20% darker color. If you saturate the color by 10%, you get $51, 51.834, 134.514$, and if you desaturate by 10%, it is $53, 35.324, 135.715$.

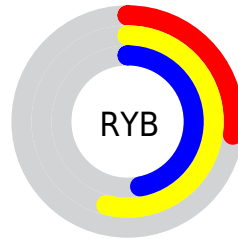
Distribution



Red (33%)

Green (54%)

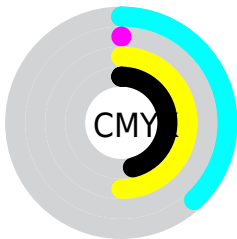
Blue (27%)



Red (27%)

Yellow (54%)

Blue (47%)

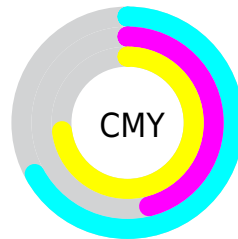


Cyan (38%)

Magenta (0%)

Yellow (50%)

Black (46%)



Cyan (67%)


Magenta (46%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 43.827, 135.103 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, 43.827, 135.103 by changing the saturation by 10% instead.


 52, 43.827,
135.103


 52, 43.827,
135.103


 100, 43.827,
135.103


 42, 43.827,
135.103


 72, 43.827,
135.103

 32, 43.827,
135.103

 82, 43.827,
135.103

 22, 43.827,
135.103

 92, 43.827,
135.103

 12, 43.827,
135.103

 2, 43.827, 135.103

 0, 43.827, 135.103

■ 52, 43.827,
135.103

■ 52, 43.827,
135.103

■ 51, 51.834,
134.514

■ 53, 35.324,
135.715

■ 51, 59.069,
134.019

■ 54, 26.531,
136.304

■ 50, 65.190,
133.720

■ 55, 17.602,
136.850

■ 50, 69.842,
133.736

■ 56, 8.649, 137.348

■ 50, 73.201,
133.928

■ 57, 0.245, 317.148

■ 50, 73.288,
133.928

■ 58, 9.021, 318.124

■ 60, 17.639,
318.460

■ 61, 26.073,
318.745

■ 63, 34.305,
318.990

Harmonies

Complementary

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



52, 43.827, 135.103



38, 44.908, 319.771

Rectangle

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



52, 43.827, 135.103



52, 43.827, 185.103



52, 43.827, 315.103



52, 43.827, 5.103

Sweetspot

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



52, 43.828, 135.104



71, 16.620, 137.074



51, 30.283, 91.227



36, 11.301, 136.983



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 43.828, 135.104



66, 64.537, 134.426



52, 39.413, 147.983



29, 5.044, 137.375



48, 71.664, 133.895



1, 2.336, 137.753

Inverse Universe

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



38, 44.908, 319.771



45, 66.275, 320.097



39, 39.534, 335.783



27, 5.076, 318.113



25, 72.789, 319.709



0, 2.337, 317.749

Previews

White Background



This preview shows how the CIELCh color 52, 43.827, 135.103 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 CIELCh color 52, 43.827, 135.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

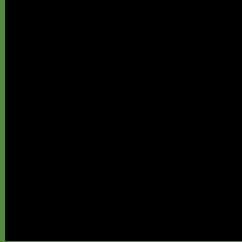
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 43.827, 135.103

Background



This preview shows how black text looks on a background with the CIELCh color 52, 43.827, 135.103.



This preview shows how white text looks on a background with the CIELCh color 52, 43.827, 135.103.

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, 43.827, 135.103

Protanopia
52, 34.327, 96.441

Deuteranopia
52, 30.169, 77.264



Tritanopia
52, 12.642, 225.926

Trichromacy



Original Color
52, 43.827, 135.103

Protanomaly
52, 35.662, 114.423

Deuteranomaly
51, 30.595, 105.358

Tritanomaly
52, 18.852, 161.708

Monochromacy



Original Color
52, 43.827, 135.103

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 16.631, 136.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 43.827, 135.103 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(85, 137, 69)` looks like.

```
.text, #text, p{  
    color:rgb(85, 137, 69)  
}
```

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(85, 137, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 137, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 43.827, 135.103 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(85, 137, 69) }
```

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

```
.border{ border-color:rgb(85, 137, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 137, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 137, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 137, 69);  
box-shadow:4px 4px 4px 4px rgb(85, 137,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 43.827, 135.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 137, 69) }
```

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

```
.background{ background-color: rgb(85, 137,  
69) }
```

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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