

Converting Colors

CIELCh(52, 44.357, 133.629)

Have a look what the booklet for
CIELCh(52, 44.357, 133.629)
contains.

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Color

CIELCh(52, 43.940, 133.943)

Conversions

Conversions Part 1

Format	Color
Hex	568843
RGB	86, 136, 67
RGB Percent	34%, 53%, 26%
CMY	0.6610, 0.4649, 0.7356
CMYK	0.37, 0.00, 0.51, 0.46
HSL	103°, 34%, 40%
HSV	103°, 51%, 54%
XYZ	13.7712, 20.1443, 8.5377
YIQ	113.1840, -7.6510, -32.0590

Conversions

Conversions Part 2

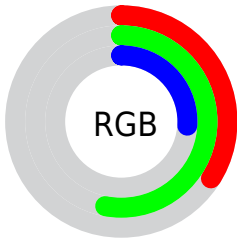
Format	Color
R_{YB}	67, 136, 117
Decimal	5670979
CIE _{Lab}	52.00, -30.49, 31.64
CIE _{LCh}	52, 43.940, 133.943
Yxy	20.1443, 0.3244, 0.4745
Android (android.graphics.Color)	4283861059 (0xFF568843)
YUV	113.1840, -22.7687, -23.8404
Hunter-Lab	44.8824, -23.7756, 20.1393

Details


The CIELCh color **52, 43.940, 133.943** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **37, 45.334, 318.539**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 43.986, 134.215**, and **32, 44.074, 134.078** is the 20% darker color. If you saturate the color by 10%, you get **51, 51.807, 133.421**, and if you desaturate by 10%, it is **53, 35.578, 134.507**.

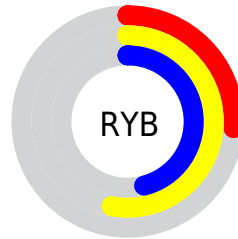
Distribution



 Red (34%)

 Green (53%)

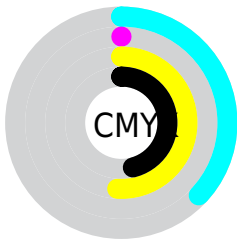
 Blue (26%)




 Red (26%)

 Yellow (53%)

 Blue (46%)

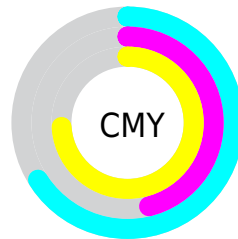



 Cyan (37%)


 Magenta (0%)

 Yellow (51%)

 Black (46%)



 Cyan (66%)


 Magenta (46%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 43.940, 133.943 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, 43.940, 133.943 by changing the saturation by 10% instead.


 52, 43.940,
133.943


 52, 43.940,
133.943


 100, 43.940,
133.943


 42, 43.940,
133.943


 72, 43.940,
133.943

 32, 43.940,
133.943

 82, 43.940,
133.943

 22, 43.940,
133.943

 92, 43.940,
133.943

 12, 43.940,
133.943

 2, 43.940, 133.943

 0, 43.940, 133.943

■ 52, 43.940,
133.943

■ 52, 43.940,
133.943

■ 51, 51.807,
133.421

■ 53, 35.578,
134.507

■ 51, 58.903,
133.014

■ 54, 26.923,
135.063

■ 50, 64.890,
132.830

■ 55, 18.126,
135.587

■ 50, 69.419,
132.985

■ 56, 9.296, 136.069

■ 50, 72.600,
133.273

■ 57, 0.513, 136.754

■ 58, 8.168, 316.835

■ 59, 16.705,
317.171

■ 61, 25.072,
317.458

■ 62, 33.252,
317.704

Harmonies

Complementary

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



52, 43.940, 133.943



37, 45.334, 318.539

Rectangle

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



52, 43.940, 133.943



52, 43.940, 183.943



52, 43.940, 313.943



52, 43.940, 3.943

Sweetspot

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



52, 43.941, 133.944



71, 16.420, 135.846



50, 29.969, 88.636



37, 11.165, 135.758



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, 43.941, 133.944



66, 64.709, 133.338



51, 41.012, 146.736



29, 4.985, 136.136



48, 71.080, 133.239



1, 2.310, 136.503

Inverse Universe

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



37, 45.334, 318.539



44, 67.043, 318.865



39, 40.999, 334.454



27, 5.021, 316.857



24, 73.268, 318.390



0, 2.310, 316.500

Previews

White Background



This preview shows how the CIELCh color 52, 43.940, 133.943 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, 43.940, 133.943 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, 43.940, 133.943

Background



This preview shows how black text looks on a background with the CIELCh color 52, 43.940, 133.943.



This preview shows how white text looks on a background with the CIELCh color 52, 43.940, 133.943.

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, 43.940, 133.943

Protanopia

52, 34.846, 96.500

Deuteranopia

52, 30.669, 77.661



Tritanopia
52, 12.065, 227.407

Trichromacy



Original Color
52, 43.940, 133.943

Protanomaly
52, 36.103, 113.550

Deuteranomaly
51, 31.143, 104.463

Tritanomaly
52, 18.564, 161.111

Monochromacy



Original Color
52, 43.940, 133.943

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 16.432, 135.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 43.940, 133.943 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(86, 136, 67)` looks like.

```
.text, #text, p{  
    color:rgb(86, 136, 67)  
}
```

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(86, 136, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 136, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 43.940, 133.943 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(86, 136, 67) }
```

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

```
.border{ border-color:rgb(86, 136, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 136, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 136, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 136, 67);  
box-shadow:4px 4px 4px 4px rgb(86, 136,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 43.940, 133.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 136, 67) }
```

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

```
.background{ background-color: rgb(86, 136,  
67) }
```

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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