

Converting Colors

CIELCh(43, 33.747, 129.162)

Have a look what the booklet for
CIELCh(43, 33.747, 129.162)
contains.

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Color

CIELCh(43, 33.588, 129.229)

Conversions

Conversions Part 1

Format	Color
Hex	506E39
RGB	80, 110, 57
RGB Percent	31%, 43%, 22%
CMY	0.6862, 0.5685, 0.7764
CMYK	0.27, 0.00, 0.48, 0.57
HSL	94°, 32%, 33%
HSV	94°, 48%, 43%
XYZ	9.6267, 13.1578, 5.9056
YIQ	94.9880, -0.8670, -22.8430

Conversions

Conversions Part 2

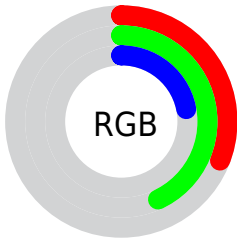
Format	Color
RYB	57, 110, 87
Decimal	5271097
CIELab	43.00, -21.24, 26.02
CIElCh	43, 33.588, 129.229
Yxy	13.1578, 0.3355, 0.4586
Android (android.graphics.Color)	4283461177 (0xFF506E39)
YUV	94.9880, -18.7281, -13.1445
Hunter-Lab	36.2736, -16.1063, 15.7388

Details

The CIELCh color $43, 33.588, 129.229$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 35.503, 313.448$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 33.755, 128.994$, and $23, 33.423, 128.948$ is the 20% darker color. If you saturate the color by 10%, you get $42, 40.049, 128.841$, and if you desaturate by 10%, it is $44, 26.816, 129.678$.

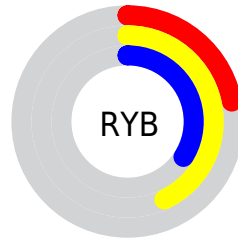
Distribution



Red (31%)

Green (43%)

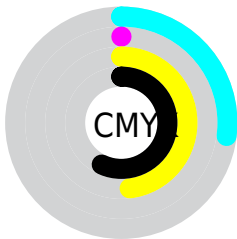
Blue (22%)



Red (22%)

Yellow (43%)

Blue (34%)

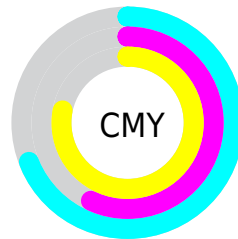


Cyan (27%)

Magenta (0%)

Yellow (48%)

Black (57%)



Cyan (69%)


Magenta (57%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 33.588, 129.229 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 43, 33.588, 129.229 by changing the saturation by 10% instead.


 43, 33.588,
129.229


 43, 33.588,
129.229


 100, 33.588,
129.229


 33, 33.588,
129.229

 63, 33.588,
129.229


 23, 33.588,
129.229

 73, 33.588,
129.229

 13, 33.588,
129.229

 83, 33.588,
129.229

 3, 33.588, 129.229

 93, 33.588,
129.229

 0, 33.588, 129.229

 43, 33.588,

 43, 33.588,

129.229

129.229

■ 42, 40.049,
128.841

■ 44, 26.816,
129.678

■ 42, 46.014,
128.574

■ 44, 19.861,
130.141

■ 42, 51.245,
128.520

■ 45, 12.817,
130.596

■ 41, 55.468,
128.791

■ 46, 5.752, 131.032

■ 41, 58.850,
129.260

■ 47, 1.288, 311.342

■ 47, 8.266, 311.762

■ 41, 59.476,
129.310

■ 48, 15.159,
312.093

■ 49, 21.948,
312.386

■ 50, 28.622,

Harmonies

Complementary

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



43, 33.588, 129.229



30, 35.503, 313.448

Rectangle

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



43, 33.588, 129.229



43, 33.588, 179.229



43, 33.588, 309.229



43, 33.588, 359.229

Sweetspot

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



43, 33.589, 129.230



58, 12.221, 130.764



38, 21.446, 74.649



29, 8.381, 130.691



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



43, 33.589, 129.230



54, 49.340, 128.795



42, 36.990, 142.133



23, 4.023, 130.996



44, 63.316, 129.461



87, 109.156, 130.345

Inverse Universe

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



30, 35.503, 313.448



35, 52.871, 313.904



33, 36.839, 328.318



22, 4.067, 311.690



18, 70.153, 313.924



42, 120.421, 313.302

Previews

White Background



This preview shows how the CIELCh color 43, 33.588, 129.229 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 CIE LCh color 43, 33.588, 129.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

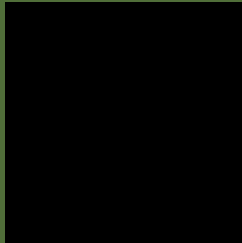
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 33.588, 129.229

Background



This preview shows how black text looks on a background with the CIELCh color 43, 33.588, 129.229.



This preview shows how white text looks on a background with the CIELCh color 43, 33.588, 129.229.

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

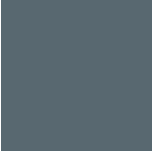
43, 33.588, 129.229

Protanopia

43, 28.135, 95.232

Deuteranopia

43, 25.593, 77.678



Tritanopia
43, 7.689, 237.786

Trichromacy



Original Color
43, 33.588, 129.229

Protanomaly
43, 28.642, 109.707

Deuteranomaly
43, 25.433, 101.070

Tritanomaly
43, 12.160, 154.249

Monochromacy



Original Color
43, 33.588, 129.229

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 12.262, 129.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 33.588, 129.229 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(80, 110, 57)` looks like.

```
.text, #text, p{  
    color:rgb(80, 110, 57)  
}
```

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(80, 110, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 110, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 33.588, 129.229 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(80, 110, 57) }
```

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

```
.border{ border-color:rgb(80, 110, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 110, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 110, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 110, 57);  
box-shadow:4px 4px 4px 4px rgb(80, 110,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 33.588, 129.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 110, 57) }
```

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

```
.background{ background-color: rgb(80, 110,  
57) }
```

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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