

Converting Colors

CIELCh(43, 38.750, 120.587)

Have a look what the booklet for
CIELCh(43, 38.750, 120.587)
contains.

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Color

CIELCh(43, 38.908, 120.719)

Conversions

Conversions Part 1

Format	Color
Hex	566D2B
RGB	86, 109, 43
RGB Percent	34%, 43%, 17%
CMY	0.6618, 0.5716, 0.8304
CMYK	0.21, 0.00, 0.60, 0.57
HSL	81°, 43%, 30%
HSV	81°, 60%, 43%
XYZ	9.7971, 13.1578, 4.3318
YIQ	94.5990, 7.4780, -25.4020

Conversions

Conversions Part 2

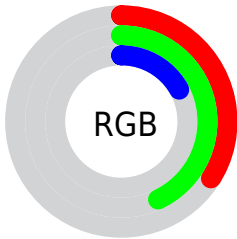
Format	Color
R_{YB}	43, 109, 66
Decimal	5664043
CIE _{Lab}	43.00, -19.88, 33.45
CIE _{LCh}	43, 38.908, 120.719
Yxy	13.1578, 0.3590, 0.4822
Android (android.graphics.Color)	4283854123 (0xFF566D2B)
YUV	94.5990, -25.4383, -7.5413
Hunter-Lab	36.2736, -15.2682, 18.3112

Details

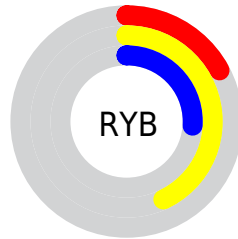
The CIELCh color **43, 38.908, 120.719** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 43.898, 307.592**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 39.277, 121.101**, and **23, 36.395, 122.006** is the 20% darker color. If you saturate the color by 10%, you get **43, 44.286, 120.509**, and if you desaturate by 10%, it is **43, 32.992, 121.089**.

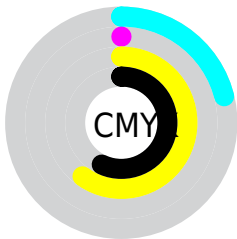
Distribution



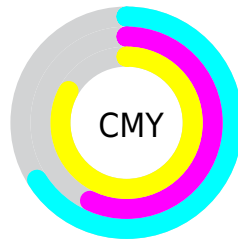
- Red (34%)
- Green (43%)
- Blue (17%)



- Red (17%)
- Yellow (43%)
- Blue (26%)



- Cyan (21%)
- Magenta (0%)
- Yellow (60%)
- Black (57%)





- Cyan (66%)
- Magenta (57%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 38.908, 120.719 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, 38.908, 120.719 by changing the saturation by 10% instead.


 43, 38.908,
120.719


 43, 38.908,
120.719


 100, 38.908,
120.719


 33, 38.908,
120.719

 63, 38.908,
120.719


 23, 38.908,
120.719

 73, 38.908,
120.719

 13, 38.908,
120.719

 83, 38.908,
120.719

 3, 38.908, 120.719

 93, 38.908,
120.719

 0, 38.908, 120.719

 43, 38.908,

 43, 38.908,

120.719

■ 43, 44.286,
120.509

■ 42, 48.880,
120.544

■ 42, 52.425,
120.924

■ 42, 55.302,
121.400

120.719

■ 43, 32.992,
121.089

■ 44, 26.725,
121.550

■ 44, 20.242,
122.056

■ 45, 13.633,
122.577

■ 45, 6.963, 123.096

■ 46, 0.277, 123.741

■ 47, 6.395, 304.055

■ 47, 13.028,
304.503

■ 48, 19.606,

Harmonies

Complementary

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



43, 38.908, 120.719



24, 43.898, 307.592

Rectangle

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



43, 38.908, 120.719



43, 38.908, 170.719



43, 38.908, 300.719



43, 38.908, 350.719

Sweetspot

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



43, 38.909, 120.721



58, 14.972, 122.678



32, 27.099, 52.018



29, 10.327, 122.560



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, 38.909, 120.721



55, 56.378, 120.489



41, 44.555, 136.205



22, 3.692, 123.172



45, 58.219, 121.520



88, 100.819, 122.409

Inverse Universe

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



24, 43.898, 307.592



26, 65.985, 308.588



28, 45.173, 322.172



20, 3.752, 304.061



14, 72.178, 309.416



35, 125.078, 308.839

Previews

White Background



This preview shows how the CIELCh color 43, 38.908, 120.719 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 CIELCh color 43, 38.908, 120.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

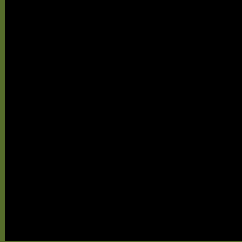
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 38.908, 120.719

Background



This preview shows how black text looks on a background with the CIELCh color 43, 38.908, 120.719.



This preview shows how white text looks on a background with the CIELCh color 43, 38.908, 120.719.

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, 38.908, 120.719

Protanopia

43, 35.432, 96.233

Deuteranopia

43, 32.547, 79.763



Tritanopia
43, 6.016, 263.790

Trichromacy



Original Color
43, 38.908, 120.719

Protanomaly
43, 35.895, 106.440

Deuteranomaly
43, 32.321, 96.740

Tritanomaly
43, 12.686, 134.483

Monochromacy



Original Color
43, 38.908, 120.719

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 14.841, 121.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 38.908, 120.719 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, 109, 43)` looks like.

```
.text, #text, p{  
    color:rgb(86, 109, 43)  
}
```

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, 109, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 109, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 38.908, 120.719 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, 109, 43) }
```

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

```
.border{ border-color:rgb(86, 109, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 109, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 109, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 109, 43);  
box-shadow:4px 4px 4px 4px rgb(86, 109,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 38.908, 120.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 109, 43) }
```

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

```
.background{ background-color: rgb(86, 109,  
43) }
```

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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