

Converting Colors

CIELCh(43, 49.295, 120.049)

Have a look what the booklet for
CIELCh(43, 49.295, 120.049)
contains.

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Color

CIELCh(43, 49.248, 120.060)

Conversions

Conversions Part 1

Format	Color
Hex	516F16
RGB	81, 111, 22
RGB Percent	32%, 44%, 9%
CMY	0.6826, 0.5650, 0.9140
CMYK	0.27, 0.00, 0.80, 0.56
HSL	80°, 67%, 26%
HSV	80°, 80%, 44%
XYZ	9.2083, 13.1578, 2.8095
YIQ	91.8840, 10.6890, -34.0390

Conversions

Conversions Part 2

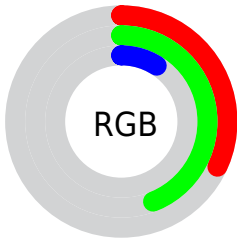
Format	Color
R_{YB}	22, 111, 52
Decimal	5336854
CIE Lab	43.00, -24.67, 42.62
CIE LCh	43, 49.248, 120.060
Yxy	13.1578, 0.3658, 0.5226
Android (android.graphics.Color)	4283526934 (0xFF516F16)
YUV	91.8840, -34.4528, -9.5453
Hunter-Lab	36.2736, -18.1653, 20.7993

Details

The CIELCh color **43, 49.248, 120.060** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **18, 58.641, 308.621**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 49.454, 120.201**, and **23, 38.639, 126.291** is the 20% darker color. If you saturate the color by 10%, you get **43, 52.819, 120.430**, and if you desaturate by 10%, it is **43, 44.614, 120.037**.

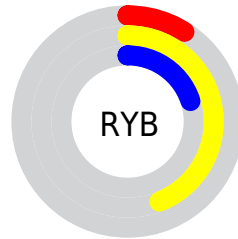
Distribution



 Red (32%)

 Green (44%)

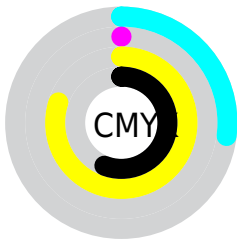
 Blue (9%)



 Red (9%)

 Yellow (44%)

 Blue (20%)

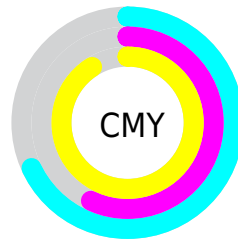


 Cyan (27%)

 Magenta (0%)

 Yellow (80%)

 Black (56%)



 Cyan (68%)


 Magenta (57%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 49.248, 120.060 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, 49.248, 120.060 by changing the saturation by 10% instead.

 43, 49.248,
120.060


 43, 49.248,
120.060


 100, 49.248,
120.060


 33, 49.248,
120.060

 63, 49.248,
120.060


 23, 49.248,
120.060

 73, 49.248,
120.060

 13, 49.248,
120.060

 83, 49.248,
120.060

 3, 49.248, 120.060

 93, 49.248,
120.060

 0, 49.248, 120.060

 43, 49.248,

 43, 49.248,

120.060

■ 43, 52.819,
120.430

■ 42, 55.723,
120.924

120.060

■ 43, 44.614,
120.037

■ 44, 39.184,
120.257

■ 44, 33.208,
120.635

■ 45, 26.878,
121.103

■ 45, 20.327,
121.617

■ 46, 13.650,
122.148

■ 46, 6.910, 122.675

■ 47, 0.152, 123.440

Harmonies

Complementary

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



43, 49.248, 120.060



18, 58.641, 308.621

Rectangle

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



43, 49.248, 120.060



43, 49.248, 170.060



43, 49.248, 300.060



43, 49.248, 350.060

Sweetspot

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



43, 49.248, 120.062



59, 20.182, 121.913



29, 38.508, 51.279



30, 13.959, 121.764



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



43, 49.248, 120.062



55, 66.715, 121.036



41, 56.473, 135.082



23, 3.832, 122.739



46, 58.932, 121.051



89, 101.242, 121.901

Inverse Universe

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



18, 58.641, 308.621



20, 82.564, 308.974



24, 56.845, 322.434



21, 3.896, 303.655



14, 73.473, 309.216



35, 126.337, 308.667

Previews

White Background



This preview shows how the CIELCh color 43, 49.248, 120.060 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, 49.248, 120.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

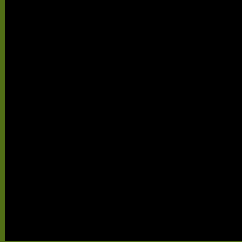
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 49.248, 120.060

Background



This preview shows how black text looks on a background with the CIELCh color 43, 49.248, 120.060.



This preview shows how white text looks on a background with the CIELCh color 43, 49.248, 120.060.

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

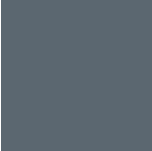
43, 49.248, 120.060

Protanopia

43, 44.832, 95.919

Deuteranopia

43, 41.390, 82.257



Tritanopia
43, 7.035, 249.629

Trichromacy



Original Color
43, 49.248, 120.060

Protanomaly
43, 45.261, 105.433

Deuteranomaly
42, 41.638, 97.816

Tritanomaly
43, 18.115, 134.737

Monochromacy



Original Color
43, 49.248, 120.060

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 19.796, 121.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 49.248, 120.060 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(81, 111, 22)` looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 22)  
}
```

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(81, 111, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 49.248, 120.060 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(81, 111, 22) }
```

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

```
.border{ border-color:rgb(81, 111, 22) }
```

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

Here you see how a box with a 4 pixel rgb(81, 111, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 22);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 49.248, 120.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 22) }
```

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

```
.background{ background-color: rgb(81, 111,  
22) }
```

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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