

Converting Colors

CIELCh(43, 49.338, 120.609)

Have a look what the booklet for
CIELCh(43, 49.338, 120.609)
contains.

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Color

CIELCh(43, 49.390, 120.537)

Conversions

Conversions Part 1

Format	Color
Hex	506F16
RGB	80, 111, 22
RGB Percent	31%, 44%, 9%
CMY	0.6859, 0.5643, 0.9133
CMYK	0.28, 0.00, 0.80, 0.56
HSL	81°, 67%, 26%
HSV	81°, 80%, 44%
XYZ	9.1572, 13.1578, 2.8216
YIQ	91.5850, 10.0930, -34.2510

Conversions

Conversions Part 2

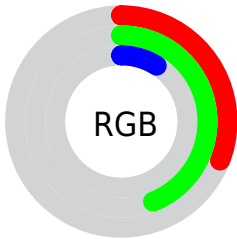
Format	Color
R_{YB}	22, 111, 53
Decimal	5271318
CIE _{Lab}	43.00, -25.09, 42.54
CIE _{LCh}	43, 49.390, 120.537
Yxy	13.1578, 0.3643, 0.5235
Android (android.graphics.Color)	4283461398 (0xFF506F16)
YUV	91.5850, -34.3054, -10.1600
Hunter-Lab	36.2736, -18.4171, 20.7796

Details

The CIELCh color $43, 49.390, 120.537$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $18, 58.562, 308.863$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 49.575, 120.657$, and $23, 38.820, 126.830$ is the 20% darker color. If you saturate the color by 10%, you get $43, 53.004, 120.913$, and if you desaturate by 10%, it is $43, 44.716, 120.509$.

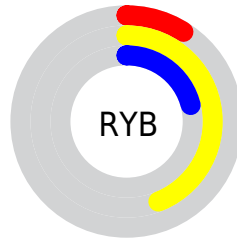
Distribution



 Red (31%)

 Green (44%)

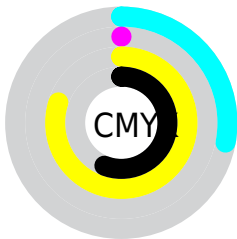
 Blue (9%)



 Red (9%)

 Yellow (44%)

 Blue (21%)

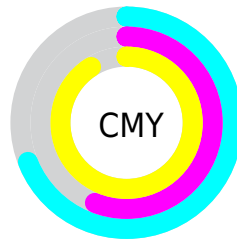


 Cyan (28%)

 Magenta (0%)

 Yellow (80%)

 Black (56%)



 Cyan (69%)


 Magenta (56%)


 Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 49.390, 120.537 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, 49.390, 120.537 by changing the saturation by 10% instead.


 43, 49.390,
120.537


 43, 49.390,
120.537


 100, 49.390,
120.537

 33, 49.390,
120.537

 63, 49.390,
120.537


 23, 49.390,
120.537

 73, 49.390,
120.537

 13, 49.390,
120.537

 83, 49.390,
120.537

 3, 49.390, 120.537

 93, 49.390,
120.537

 0, 49.390, 120.537

 43, 49.390,

 43, 49.390,

120.537

■ 43, 53.004,
120.913

■ 42, 55.973,
121.427

120.537

■ 43, 44.716,
120.509

■ 44, 39.251,
120.725

■ 44, 33.243,
121.097

■ 45, 26.883,
121.560

■ 45, 20.305,
122.068

■ 46, 13.602,
122.590

■ 46, 6.839, 123.110

■ 47, 0.060, 124.319

Harmonies

Complementary

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



43, 49.390, 120.537



18, 58.562, 308.863

Rectangle

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



43, 49.390, 120.537



43, 49.390, 170.537



43, 49.390, 300.537



43, 49.390, 350.537

Sweetspot

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



43, 49.390, 120.538



59, 20.224, 122.352



29, 38.479, 51.285



30, 13.989, 122.205



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, 49.390, 120.538



55, 66.942, 121.538



41, 56.474, 135.087



23, 3.840, 123.166



46, 59.135, 121.553



89, 101.618, 122.416

Inverse Universe

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



18, 58.562, 308.863



20, 82.403, 309.161



24, 56.850, 322.434



21, 3.902, 304.064



15, 73.318, 309.392



35, 126.073, 308.833

Previews

White Background



This preview shows how the CIELCh color 43, 49.390, 120.537 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, 49.390, 120.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

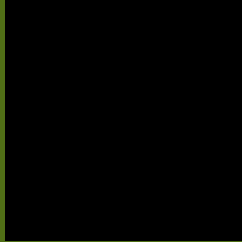
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 49.390, 120.537

Background



This preview shows how black text looks on a background with the CIELCh color 43, 49.390, 120.537.



This preview shows how white text looks on a background with the CIELCh color 43, 49.390, 120.537.

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

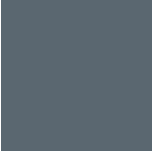
43, 49.390, 120.537

Protanopia

43, 44.495, 95.913

Deuteranopia

43, 40.970, 82.107



Tritanopia
43, 7.278, 247.347

Trichromacy



Original Color
43, 49.390, 120.537

Protanomaly
43, 44.920, 105.494

Deuteranomaly
42, 41.232, 97.820

Tritanomaly
43, 18.318, 135.862

Monochromacy



Original Color
43, 49.390, 120.537

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, 49.390, 120.537 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, 111, 22)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 111, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 111, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 49.390, 120.537 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, 111, 22) }
```

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

```
.border{ border-color:rgb(80, 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(80, 111, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 111, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 111, 22);  
box-shadow:4px 4px 4px 4px rgb(80, 111,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 49.390, 120.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 111, 22) }
```

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

```
.background{ background-color: rgb(80, 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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