

Converting Colors

CIELCh(44, 39.750, 118.129)

Have a look what the booklet for
CIELCh(44, 39.750, 118.129)
contains.

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Color

CIELCh(44, 39.896, 118.206)

Conversions

Conversions Part 1

Format	Color
Hex	5B6F2A
RGB	91, 111, 42
RGB Percent	36%, 44%, 16%
CMY	0.6420, 0.5636, 0.8342
CMYK	0.18, 0.00, 0.62, 0.56
HSL	77°, 45%, 30%
HSV	77°, 62%, 44%
XYZ	10.4805, 13.8382, 4.3345
YIQ	97.1540, 10.2290, -25.6990

Conversions

Conversions Part 2

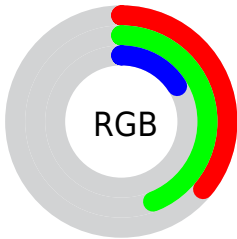
Format	Color
R_{YB}	42, 111, 62
Decimal	5992234
CIE Lab	44.00, -18.86, 35.16
CIE LCh	44, 39.896, 118.206
Yxy	13.8382, 0.3658, 0.4830
Android (android.graphics.Color)	4284182314 (0xFF5B6F2A)
YUV	97.1540, -27.1909, -5.3971
Hunter-Lab	37.1997, -14.8098, 19.1314

Details

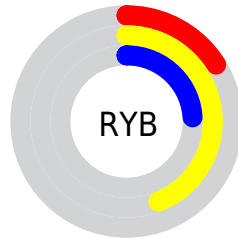
The CIELCh color $44, 39.896, 118.206$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $23, 45.780, 306.142$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 40.269, 118.198$, and $24, 36.783, 119.354$ is the 20% darker color. If you saturate the color by 10%, you get $44, 45.132, 117.986$, and if you desaturate by 10%, it is $44, 34.066, 118.597$.

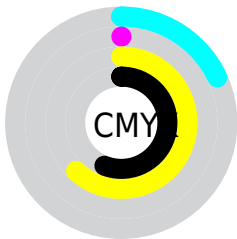
Distribution



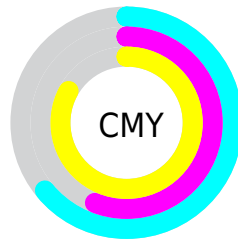
- Red (36%)
- Green (44%)
- Blue (16%)



- Red (16%)
- Yellow (44%)
- Blue (24%)



- Cyan (18%)
- Magenta (0%)
- Yellow (62%)
- Black (56%)



- Cyan (64%)
- Magenta (56%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 39.896, 118.206 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 44, 39.896, 118.206 by changing the saturation by 10% instead.


 44, 39.896,
118.206


 44, 39.896,
118.206


 100, 39.896,
118.206

 34, 39.896,
118.206

 64, 39.896,
118.206


 24, 39.896,
118.206

 74, 39.896,
118.206

 14, 39.896,
118.206

 84, 39.896,
118.206

 4, 39.896, 118.206

 94, 39.896,
118.206

 0, 39.896, 118.206

 44, 39.896,

 44, 39.896,

118.206

■ 44, 45.132,
117.986

■ 43, 49.514,
118.018

■ 43, 52.783,
118.393

■ 43, 55.089,
118.742

118.206

■ 44, 34.066,
118.597

■ 45, 27.844,
119.087

■ 45, 21.377,
119.630

■ 46, 14.763,
120.195

■ 46, 8.071, 120.762

■ 47, 1.349, 121.330

■ 47, 5.371, 301.832

■ 48, 12.064,
302.336

■ 49, 18.713,

Harmonies

Complementary

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



44, 39.896, 118.206



23, 45.780, 306.142

Rectangle

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



44, 39.896, 118.206



44, 39.896, 168.206



44, 39.896, 298.206



44, 39.896, 348.206

Sweetspot

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



44, 39.897, 118.208



59, 15.870, 120.338



32, 28.920, 47.408



31, 11.001, 120.209



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 39.897, 118.208



56, 56.962, 117.963



42, 45.614, 134.915



23, 3.803, 120.930



46, 58.120, 118.854



90, 99.732, 119.639

Inverse Universe

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



23, 45.780, 306.142



26, 68.073, 307.326



28, 46.669, 320.657



21, 3.870, 301.925



14, 74.095, 308.539



34, 127.383, 308.039

Previews

White Background



This preview shows how the CIELCh color 44, 39.896, 118.206 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 44, 39.896, 118.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

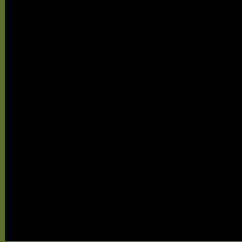
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 39.896, 118.206

Background



This preview shows how black text looks on a background with the CIELCh color 44, 39.896, 118.206.



This preview shows how white text looks on a background with the CIELCh color 44, 39.896, 118.206.

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


44, 39.896, 118.206

Protanopia

44, 36.944, 95.691

Deuteranopia

44, 34.625, 80.353



Tritanopia
44, 5.703, 270.782

Trichromacy



Original Color
44, 39.896, 118.206

Protanomaly
44, 37.315, 104.772

Deuteranomaly
44, 33.985, 95.347

Tritanomaly
44, 12.830, 130.025

Monochromacy



Original Color
44, 39.896, 118.206

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 15.263, 119.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 39.896, 118.206 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(91, 111, 42)` looks like.

```
.text, #text, p{  
    color:rgb(91, 111, 42)  
}
```

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(91, 111, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 111, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 39.896, 118.206 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(91, 111, 42) }
```

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

```
.border{ border-color:rgb(91, 111, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 111, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 111, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 111, 42);  
box-shadow:4px 4px 4px 4px rgb(91, 111,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 39.896, 118.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 111, 42) }
```

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

```
.background{ background-color: rgb(91, 111,  
42) }
```

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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