

Converting Colors

CIELCh(51, 44.180, 69.616)

Have a look what the booklet for
CIELCh(51, 44.180, 69.616) contains.

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Color

CIELCh(51, 44.430, 69.461)

Conversions

Conversions Part 1

Format	Color
Hex	A46E31
RGB	164, 110, 49
RGB Percent	64%, 43%, 19%
CMY	0.3568, 0.5686, 0.8078
CMYK	0.00, 0.33, 0.70, 0.36
HSL	32°, 54%, 42%
HSV	32°, 70%, 64%
XYZ	21.4428, 19.2686, 5.4955
YIQ	119.1920, 51.7650, -7.5230

Conversions

Conversions Part 2

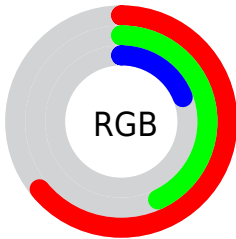
Format	Color
R _Y B	151, 164, 49
Decimal	10776113
CIE Lab	51.00, 15.59, 41.61
CIE LCh	51, 44.430, 69.461
Yxy	19.2686, 0.4641, 0.4170
Android (android.graphics.Color)	4288966193 (0xFFA46E31)
YUV	119.1920, -34.6047, 39.2966
Hunter-Lab	43.8960, 10.3776, 23.3045

Details

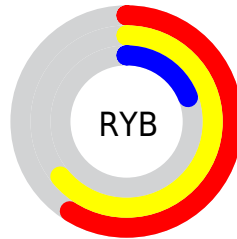
The CIELCh color **51, 44.430, 69.461** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **43, 38.225, 274.348**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 44.391, 69.942**, and **31, 43.984, 68.853** is the 20% darker color. If you saturate the color by 10%, you get **49, 50.819, 67.846**, and if you desaturate by 10%, it is **53, 37.672, 70.900**.

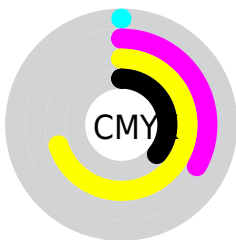
Distribution



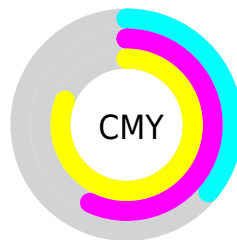
- Red (64%)
- Green (43%)
- Blue (19%)



- Red (59%)
- Yellow (64%)
- Blue (19%)



- Cyan (0%)
- Magenta (33%)
- Yellow (70%)
- Black (36%)



- Cyan (36%)
- Magenta (57%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 44.430, 69.461 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 51, 44.430, 69.461 by changing the saturation by 10% instead.

■ 51, 44.430, 69.461

■ 51, 44.430, 69.461

■ 100, 44.430,
69.461

■ 41, 44.430, 69.461

■ 71, 44.430, 69.461

■ 31, 44.430, 69.461

■ 81, 44.430, 69.461

■ 21, 44.430, 69.461

■ 91, 44.430, 69.461

■ 11, 44.430, 69.461

■ 1, 44.430, 69.461

■ 0, 44.430, 69.461

■ 51, 44.430, 69.461

■ 51, 44.430, 69.461

■ 49, 50.819, 67.846

■ 53, 37.672, 70.900

■ 47, 56.237, 65.845

■ 55, 30.890, 72.255

45, 60.481, 63.519

58, 24.255, 73.571

60, 17.841, 74.863

62, 11.673, 76.131

65, 5.750, 77.358

67, 0.060, 73.658

70, 5.418, 259.875

72, 10.704,
260.996

Harmonies

Complementary

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



51, 44.430, 69.461



43, 38.225, 274.348

Rectangle

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



51, 44.430, 69.461



51, 44.430, 119.461



51, 44.430, 249.461



51, 44.430, 299.461

Sweetspot

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



51, 44.429, 69.464



79, 15.182, 75.971



40, 52.051, 353.633



41, 10.313, 75.643



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



51, 44.429, 69.464



62, 65.806, 66.819



65, 58.251, 104.848



33, 3.196, 77.459



40, 55.270, 63.924



3, 4.726, 73.275

Inverse Universe

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



43, 38.225, 274.348



50, 56.790, 280.433



28, 72.403, 301.835



33, 3.143, 259.903



30, 49.485, 286.020



2, 5.097, 263.054

Previews

White Background



This preview shows how the CIELCh color 51, 44.430, 69.461 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 44.430, 69.461 looks on a black 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

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

CIELCh 51, 44.430, 69.461

Background



This preview shows how black text looks on a background with the CIELCh color 51, 44.430, 69.461.



This preview shows how white text looks on a background with the CIELCh color 51, 44.430, 69.461.

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

51, 44.430, 69.461

Protanopia

51, 39.028, 96.073

Deuteranopia

51, 42.805, 81.087



Tritanopia
51, 27.931, 13.718

Trichromacy



Original Color
51, 44.430, 69.461

Protanomaly
51, 39.716, 85.552

Deuteranomaly
51, 42.973, 77.017

Tritanomaly
51, 30.132, 42.215

Monochromacy



Original Color
51, 44.430, 69.461

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.391, 75.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 44.430, 69.461 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(164, 110, 49)` looks like.

```
.text, #text, p{  
    color:rgb(164, 110, 49)  
}
```

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(164, 110, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 110, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 44.430, 69.461 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(164, 110, 49) }
```

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

```
.border{ border-color:rgb(164, 110, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 110, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 110, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 110, 49);  
box-shadow:4px 4px 4px 4px rgb(164, 110,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 44.430, 69.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 110, 49) }
```

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

```
.background{ background-color: rgb(164,  
110, 49) }
```

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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