

Converting Colors

CIELCh(44, 34.833, 103.171)

Have a look what the booklet for
CIELCh(44, 34.833, 103.171)
contains.

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Color

CIELCh(44, 34.388, 102.769)

Conversions

Conversions Part 1

Format	Color
Hex	6D6A2E
RGB	109, 106, 46
RGB Percent	43%, 42%, 18%
CMY	0.5714, 0.5832, 0.8185
CMYK	0.00, 0.03, 0.58, 0.57
HSL	57°, 41%, 31%
HSV	57°, 58%, 43%
XYZ	12.0269, 13.8382, 4.6505
YIQ	100.0570, 21.0480, -18.0240

Conversions

Conversions Part 2

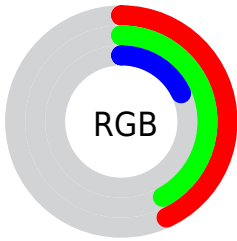
Format	Color
R_{YB}	49, 109, 46
Decimal	7170606
CIE Lab	44.00, -7.60, 33.54
CIE LCh	44, 34.388, 102.769
Yxy	13.8382, 0.3941, 0.4535
Android (android.graphics.Color)	4285360686 (0xFF6D6A2E)
YUV	100.0570, -26.6501, 7.8430
Hunter-Lab	37.1997, -7.3893, 18.6277

Details

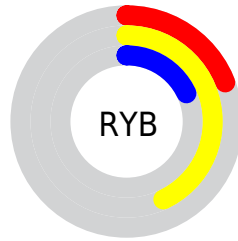
The CIELCh color **44, 34.388, 102.769** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 39.701, 296.709**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 34.402, 102.782**, and **24, 33.353, 103.162** is the 20% darker color. If you saturate the color by 10%, you get **44, 39.463, 101.936**, and if you desaturate by 10%, it is **44, 28.843, 103.670**.

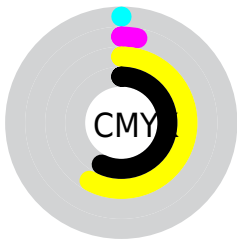
Distribution



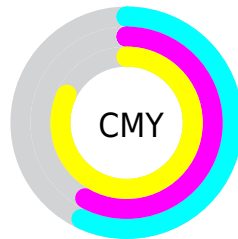
- Red (43%)
- Green (42%)
- Blue (18%)



- Red (19%)
- Yellow (43%)
- Blue (18%)



- Cyan (0%)
- Magenta (3%)
- Yellow (58%)
- Black (57%)



- Cyan (57%)
- Magenta (58%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 34.388, 102.769 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, 34.388, 102.769 by changing the saturation by 10% instead.


 44, 34.388,
102.769


 44, 34.388,
102.769


 100, 34.388,
102.769

 34, 34.388,
102.769

 64, 34.388,
102.769


 24, 34.388,
102.769

 74, 34.388,
102.769

 14, 34.388,
102.769

 84, 34.388,
102.769

 4, 34.388, 102.769

 94, 34.388,
102.769

 0, 34.388, 102.769

 44, 34.388,

 44, 34.388,

102.769

102.769

■ 44, 39.463,
101.936

■ 44, 28.843,
103.670

■ 43, 43.819,
101.188

■ 45, 23.003,
104.607

■ 43, 47.163,
100.553

■ 45, 16.990,
105.564

■ 43, 49.624,
100.015

■ 45, 10.880,
106.524

■ 43, 50.224, 99.891

■ 46, 4.723, 107.472

■ 46, 1.449, 288.456

■ 47, 7.615, 289.337

■ 47, 13.761,
290.214

■ 48, 19.878,

Harmonies

Complementary

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



44, 34.388, 102.769



23, 39.701, 296.709

Rectangle

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



44, 34.388, 102.769



44, 34.388, 152.769



44, 34.388, 282.769



44, 34.388, 332.769

Sweetspot

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



44, 34.389, 102.772



58, 13.039, 106.543



28, 30.693, 22.561



30, 8.659, 106.409



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



44, 34.389, 102.772



56, 49.643, 101.683



43, 38.270, 124.776



22, 3.406, 107.352



46, 52.799, 99.866



91, 90.681, 99.682

Inverse Universe

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



23, 39.701, 296.709



26, 60.437, 299.622



25, 41.979, 310.341



20, 3.469, 289.103



12, 72.773, 305.307



31, 127.836, 305.881

Previews

White Background



This preview shows how the CIELCh color 44, 34.388, 102.769 looks on a white background.

Color Contrast Check

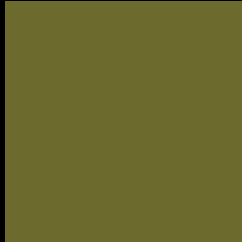
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 34.388, 102.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

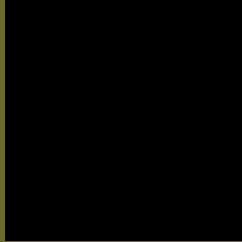
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 34.388, 102.769

Background



This preview shows how black text looks on a background with the CIELCh color 44, 34.388, 102.769.



This preview shows how white text looks on a background with the CIELCh color 44, 34.388, 102.769.

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, 34.388, 102.769

Protanopia

44, 33.955, 95.400

Deuteranopia

44, 33.636, 79.803



Tritanopia
44, 7.847, 342.881

Trichromacy



Original Color
44, 34.388, 102.769

Protanomaly
44, 34.188, 97.911

Deuteranomaly
44, 33.513, 88.540

Tritanomaly
44, 10.745, 81.795

Monochromacy



Original Color
44, 34.388, 102.769

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 13.140, 106.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 34.388, 102.769 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(109, 106, 46)` looks like.

```
.text, #text, p{  
    color:rgb(109, 106, 46)  
}
```

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(109, 106, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 106, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 34.388, 102.769 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(109, 106, 46) }
```

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

```
.border{ border-color:rgb(109, 106, 46) }
```

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

Here you see how a box with a 4 pixel rgb(109, 106, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 106, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 106, 46);  
box-shadow:4px 4px 4px 4px rgb(109, 106,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 34.388, 102.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 106, 46) }
```

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

```
.background{ background-color: rgb(109,  
106, 46) }
```

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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