

Converting Colors

CIELCh(44, 14.980, 79.876)

Have a look what the booklet for
CIELCh(44, 14.980, 79.876) contains.

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Color

CIELCh(44, 14.828, 80.981)

Conversions

Conversions Part 1

Format	Color
Hex	756650
RGB	117, 102, 80
RGB Percent	46%, 40%, 31%
CMY	0.5415, 0.6003, 0.6866
CMYK	0.00, 0.13, 0.32, 0.54
HSL	36°, 19%, 39%
HSV	36°, 32%, 46%
XYZ	13.5106, 13.8382, 9.5315
YIQ	103.9770, 16.0020, -3.6620

Conversions

Conversions Part 2

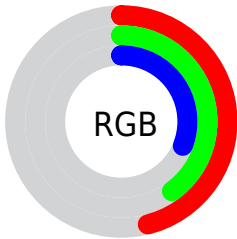
Format	Color
R_{YB}	105, 117, 80
Decimal	7693904
CIE _{Lab}	44.00, 2.32, 14.64
CIE _{LCh}	44, 14.828, 80.981
Yxy	13.8382, 0.3663, 0.3752
Android (android.graphics.Color)	4285883984 (0xFF756650)
YUV	103.9770, -11.8207, 11.4212
Hunter-Lab	37.1997, -0.2698, 10.8482

Details

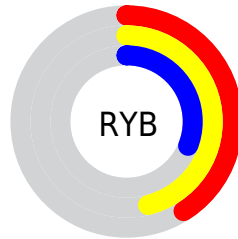
The CIELCh color **44, 14.828, 80.981** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 14.296, 269.726**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 15.094, 80.977**, and **24, 14.903, 80.259** is the 20% darker color. If you saturate the color by 10%, you get **42, 19.792, 79.679**, and if you desaturate by 10%, it is **46, 9.992, 82.261**.

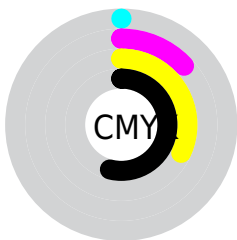
Distribution



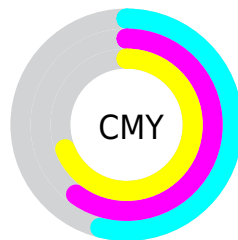
- Red (46%)
- Green (40%)
- Blue (31%)



- Red (41%)
- Yellow (46%)
- Blue (31%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (54%)





















- Cyan (54%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 14.828, 80.981 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, 14.828, 80.981 by changing the saturation by 10% instead.

 44, 14.828, 80.981	 44, 14.828, 80.981
 100, 14.828, 80.981	 34, 14.828, 80.981
 64, 14.828, 80.981	 24, 14.828, 80.981
 74, 14.828, 80.981	 14, 14.828, 80.981
 84, 14.828, 80.981	 4, 14.828, 80.981
 94, 14.828, 80.981	 0, 14.828, 80.981

 44, 14.828, 80.981	 44, 14.828, 80.981
 42, 19.792, 79.679	 46, 9.992, 82.261
 41, 24.853, 78.335	 47, 5.294, 83.490

■ 39, 29.940, 76.942

■ 49, 0.731, 84.466

■ 38, 34.914, 75.466

■ 51, 3.702, 265.960

■ 37, 39.518, 73.830

■ 52, 8.016, 267.057

■ 35, 43.334, 71.889

■ 54, 12.221,
268.128

■ 34, 46.476, 70.380

■ 56, 16.328,
269.156

■ 58, 20.345,
270.138

■ 59, 24.281,
271.074

Harmonies

Complementary

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



44, 14.828, 80.981



40, 14.296, 269.726

Rectangle

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



44, 14.828, 80.981



44, 14.828, 130.981



44, 14.828, 260.981



44, 14.828, 310.981

Sweetspot

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



44, 14.828, 80.988



61, 5.082, 83.775



38, 18.254, 351.468



31, 3.517, 83.637



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 14.828, 80.988



55, 22.432, 80.030



48, 21.490, 110.927



24, 2.556, 83.798



36, 48.041, 70.205



71, 81.730, 68.206

Inverse Universe

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



40, 14.296, 269.726



49, 21.437, 271.205



36, 23.102, 296.617



23, 2.537, 266.121



23, 48.418, 290.514



47, 86.960, 292.822

Previews

White Background



This preview shows how the CIELCh color 44, 14.828, 80.981 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, 14.828, 80.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

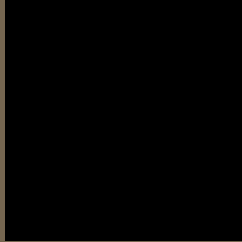
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 14.828, 80.981

Background



This preview shows how black text looks on a background with the CIELCh color 44, 14.828, 80.981.



This preview shows how white text looks on a background with the CIELCh color 44, 14.828, 80.981.

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, 14.828, 80.981

Protanopia

44, 14.035, 95.268

Deuteranopia

44, 15.725, 68.834



Tritanopia
44, 10.359, 353.386

Trichromacy



Original Color
44, 14.828, 80.981

Protanomaly
44, 13.870, 89.350

Deuteranomaly
44, 15.318, 74.020

Tritanomaly
44, 8.708, 28.285

Monochromacy



Original Color
44, 14.828, 80.981

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.416, 81.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 14.828, 80.981 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(117, 102, 80)` looks like.

```
.text, #text, p{  
    color:rgb(117, 102, 80)  
}
```

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(117, 102, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 102, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 14.828, 80.981 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(117, 102, 80) }
```

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

```
.border{ border-color:rgb(117, 102, 80) }
```

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

Here you see how a box with a 4 pixel rgb(117, 102, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 102, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 102, 80);  
box-shadow:4px 4px 4px 4px rgb(117, 102,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 14.828, 80.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 102, 80) }
```

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

```
.background{ background-color: rgb(117,  
102, 80) }
```

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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