

Converting Colors

CIELCh(44, 19.948, 87.835)

Have a look what the booklet for
CIELCh(44, 19.948, 87.835) contains.

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Color

CIELCh(44, 20.112, 88.578)

Conversions

Conversions Part 1

Format	Color
Hex	756747
RGB	117, 103, 71
RGB Percent	46%, 40%, 28%
CMY	0.5426, 0.5974, 0.7229
CMYK	0.00, 0.12, 0.39, 0.54
HSL	42°, 25%, 37%
HSV	42°, 39%, 46%
XYZ	13.2291, 13.8382, 7.8790
YIQ	103.5380, 18.6160, -6.9840

Conversions

Conversions Part 2

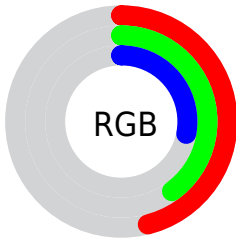
Format	Color
R_{YB}	91, 117, 71
Decimal	7694151
CIE Lab	44.00, 0.50, 20.11
CIE LCh	44, 20.112, 88.578
Yxy	13.8382, 0.3786, 0.3960
Android (android.graphics.Color)	4285884231 (0xFF756747)
YUV	103.5380, -16.0412, 11.8062
Hunter-Lab	37.1997, -1.6208, 13.4821

Details

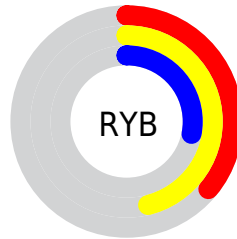
The CIELCh color **44, 20.112, 88.578** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 20.244, 279.458**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 20.027, 88.478**, and **24, 19.952, 87.304** is the 20% darker color. If you saturate the color by 10%, you get **43, 25.325, 87.279**, and if you desaturate by 10%, it is **45, 14.910, 89.852**.

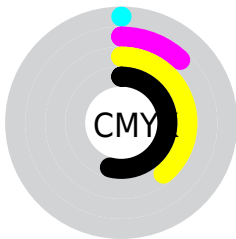
Distribution



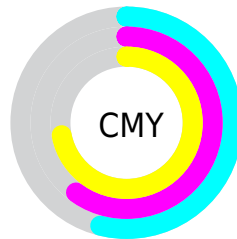
- Red (46%)
- Green (40%)
- Blue (28%)



- Red (36%)
- Yellow (46%)
- Blue (28%)



- Cyan (0%)
- Magenta (12%)
- Yellow (39%)
- Black (54%)





















- Cyan (54%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 20.112, 88.578 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, 20.112, 88.578 by changing the saturation by 10% instead.

 44, 20.112, 88.578	 44, 20.112, 88.578
 100, 20.112, 88.578	 34, 20.112, 88.578
 64, 20.112, 88.578	 24, 20.112, 88.578
 74, 20.112, 88.578	 14, 20.112, 88.578
 84, 20.112, 88.578	 4, 20.112, 88.578
 94, 20.112, 88.578	 0, 20.112, 88.578
 44, 20.112, 88.578	 44, 20.112, 88.578
 43, 25.325, 87.279	 45, 14.910, 89.852
 42, 30.462, 85.934	 47, 9.762, 91.083

■ 40, 35.373, 84.532

■ 48, 4.690, 92.265

■ 39, 39.801, 83.032

■ 49, 0.297, 273.957

■ 38, 43.363, 81.353

■ 51, 5.198, 274.599

■ 37, 46.348, 79.612

■ 52, 10.016,
275.653

■ 37, 46.549, 79.521

■ 53, 14.754,
276.669

■ 55, 19.417,
277.640

■ 56, 24.012,
278.563

Harmonies

Complementary

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



44, 20.112, 88.578



36, 20.244, 279.458

Rectangle

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



44, 20.112, 88.578



44, 20.112, 138.578



44, 20.112, 268.578



44, 20.112, 318.578

Sweetspot

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



44, 20.113, 88.583



60, 7.387, 91.931



36, 21.824, 359.217



31, 4.943, 91.819



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, 20.113, 88.583



55, 29.664, 87.444



47, 26.778, 114.718



24, 2.817, 92.308



39, 48.172, 79.382



76, 81.462, 77.857

Inverse Universe

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



36, 20.244, 279.458



43, 30.006, 281.351



33, 29.256, 300.753



23, 2.825, 274.518



19, 57.274, 296.879



41, 102.697, 298.786

Previews

White Background



This preview shows how the CIELCh color 44, 20.112, 88.578 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, 20.112, 88.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

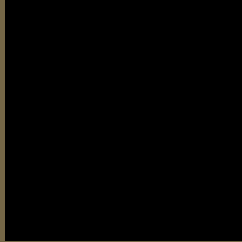
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 20.112, 88.578

Background



This preview shows how black text looks on a background with the CIELCh color 44, 20.112, 88.578.



This preview shows how white text looks on a background with the CIELCh color 44, 20.112, 88.578.

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, 20.112, 88.578

Protanopia

44, 19.985, 95.334

Deuteranopia

44, 20.790, 75.005



Tritanopia
44, 10.359, 353.386

Trichromacy



Original Color
44, 20.112, 88.578

Protanomaly
44, 20.093, 94.040

Deuteranomaly
44, 20.268, 80.188

Tritanomaly
44, 9.326, 46.737

Monochromacy



Original Color
44, 20.112, 88.578

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.480, 92.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 20.112, 88.578 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, 103, 71)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 71)  
}
```

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, 103, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 20.112, 88.578 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, 103, 71) }
```

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

```
.border{ border-color:rgb(117, 103, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 103, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 71);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 20.112, 88.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 71) }
```

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

```
.background{ background-color: rgb(117,  
103, 71) }
```

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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