

Converting Colors

CIELCh(44, 11.859, 72.224)

Have a look what the booklet for
CIELCh(44, 11.859, 72.224) contains.

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Color

CIELCh(44, 11.502, 70.581)

Conversions

Conversions Part 1

Format	Color
Hex	756556
RGB	117, 101, 86
RGB Percent	46%, 40%, 34%
CMY	0.5401, 0.6028, 0.6617
CMYK	0.00, 0.14, 0.26, 0.54
HSL	29°, 15%, 40%
HSV	29°, 26%, 46%
XYZ	13.7449, 13.8382, 10.8072
YIQ	104.0740, 14.3510, -1.2730

Conversions

Conversions Part 2

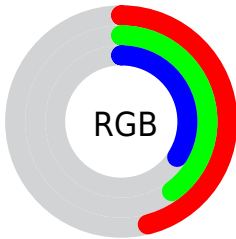
Format	Color
RYB	117, 115, 86
Decimal	7693654
CIELab	44.00, 3.82, 10.85
CIELCh	44, 11.502, 70.581
Yxy	13.8382, 0.3580, 0.3605
Android (android.graphics.Color)	4285883734 (0xFF756556)
YUV	104.0740, -8.9105, 11.3361
Hunter-Lab	37.1997, 0.8544, 8.8151

Details

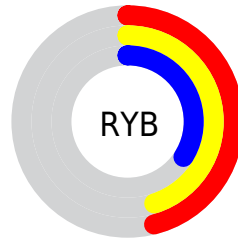
The CIELCh color **44, 11.502, 70.581** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 10.670, 257.401**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 11.287, 71.413**, and **24, 11.270, 69.127** is the 20% darker color. If you saturate the color by 10%, you get **42, 16.238, 69.427**, and if you desaturate by 10%, it is **46, 6.984, 71.738**.

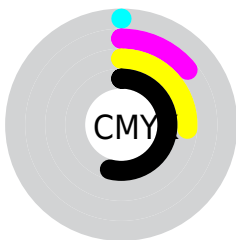
Distribution



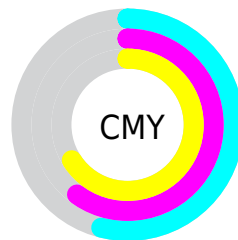
- Red (46%)
- Green (40%)
- Blue (34%)



- Red (46%)
- Yellow (45%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (26%)
- Black (54%)





















- Cyan (54%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 11.502, 70.581 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, 11.502, 70.581 by changing the saturation by 10% instead.

 44, 11.502, 70.581	 44, 11.502, 70.581
 100, 11.502, 70.581	 34, 11.502, 70.581
 64, 11.502, 70.581	 24, 11.502, 70.581
 74, 11.502, 70.581	 14, 11.502, 70.581
 84, 11.502, 70.581	 4, 11.502, 70.581
 94, 11.502, 70.581	 0, 11.502, 70.581

 44, 11.502, 70.581	 44, 11.502, 70.581
 42, 16.238, 69.427	 46, 6.984, 71.738
 40, 21.190, 68.259	 48, 2.672, 72.829

■ 38, 26.336, 67.082

■ 50, 1.449, 254.234

■ 36, 31.607, 65.874

■ 52, 5.399, 255.208

■ 35, 36.850, 64.573

■ 54, 9.195, 256.262

■ 33, 41.760, 63.047

■ 56, 12.853,
257.293

■ 32, 46.142, 61.295

■ 58, 16.390,
258.289

■ 31, 47.859, 60.868

■ 61, 19.819,
259.246

■ 63, 23.152,
260.164

Harmonies

Complementary

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



44, 11.502, 70.581



43, 10.670, 257.401

Rectangle

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



44, 11.502, 70.581



44, 11.502, 120.581



44, 11.502, 250.581



44, 11.502, 300.581

Sweetspot

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



44, 11.502, 70.590



61, 4.142, 72.649



40, 16.163, 344.993



31, 2.935, 72.515



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, 11.502, 70.590



55, 17.571, 69.850



48, 17.738, 107.040



24, 2.349, 72.561



33, 49.462, 60.731



65, 84.892, 58.520

Inverse Universe

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



43, 10.670, 257.401



53, 15.968, 258.568



38, 18.790, 292.514



23, 2.298, 254.818



27, 39.250, 280.646



55, 70.126, 283.370

Previews

White Background



This preview shows how the CIELCh color 44, 11.502, 70.581 looks on a white background.

Color Contrast Check

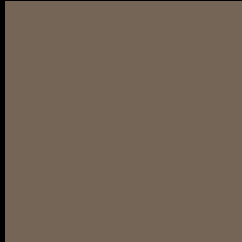
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.502, 70.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

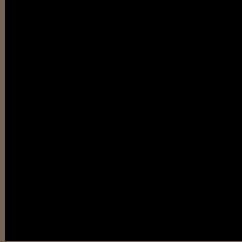
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 11.502, 70.581

Background



This preview shows how black text looks on a background with the CIELCh color 44, 11.502, 70.581.



This preview shows how white text looks on a background with the CIELCh color 44, 11.502, 70.581.

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, 11.502, 70.581

Protanopia

44, 9.885, 93.361

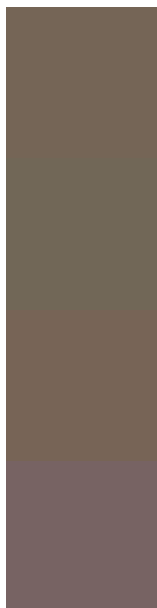
Deuteranopia

44, 12.326, 62.477



Tritanopia
44, 10.359, 353.386

Trichromacy



Original Color
44, 11.502, 70.581

Protanomaly
44, 10.526, 83.978

Deuteranomaly
44, 11.991, 63.930

Tritanomaly
44, 8.558, 20.471

Monochromacy



Original Color
44, 11.502, 70.581

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.911, 69.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 11.502, 70.581 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, 101, 86)` looks like.

```
.text, #text, p{  
    color:rgb(117, 101, 86)  
}
```

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, 101, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 101, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 11.502, 70.581 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, 101, 86) }
```

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

```
.border{ border-color:rgb(117, 101, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 101, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 101, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 101, 86);  
box-shadow:4px 4px 4px 4px rgb(117, 101,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 11.502, 70.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 101, 86) }
```

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

```
.background{ background-color: rgb(117,  
101, 86) }
```

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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