

Converting Colors

CIELCh(44, 16.730, 156.609)

Have a look what the booklet for
CIELCh(44, 16.730, 156.609)
contains.

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Color

CIELCh(44, 16.648, 157.278)

Conversions

Conversions Part 1

Format	Color
Hex	506F5D
RGB	80, 111, 93
RGB Percent	31%, 44%, 36%
CMY	0.6866, 0.5651, 0.6357
CMYK	0.28, 0.00, 0.16, 0.57
HSL	145°, 16%, 37%
HSV	145°, 28%, 43%
XYZ	10.9463, 13.8382, 12.4287
YIQ	99.6790, -12.6980, -12.1700

Conversions

Conversions Part 2

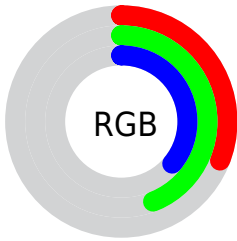
Format	Color
R_{YB}	80, 102, 111
Decimal	5271389
CIE Lab	44.00, -15.36, 6.43
CIE LCh	44, 16.648, 157.278
Yxy	13.8382, 0.2942, 0.3719
Android (android.graphics.Color)	4283461469 (0xFF506F5D)
YUV	99.6790, -3.2927, -17.2585
Hunter-Lab	37.1997, -12.5748, 6.2307

Details

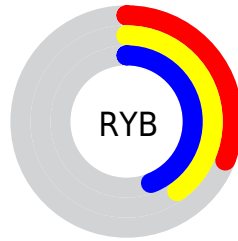
The CIELCh color **44, 16.648, 157.278** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 17.008, 341.735**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 16.885, 156.753**, and **24, 16.585, 157.109** is the 20% darker color. If you saturate the color by 10%, you get **43, 22.466, 156.257**, and if you desaturate by 10%, it is **45, 10.713, 158.187**.

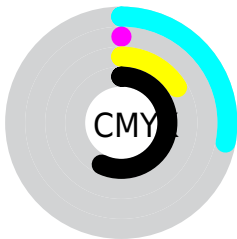
Distribution



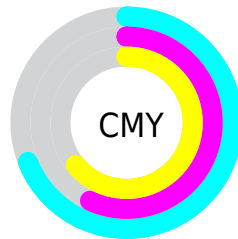
- Red (31%)
- Green (44%)
- Blue (36%)



- Red (31%)
- Yellow (40%)
- Blue (44%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (57%)




- Cyan (69%)
- Magenta (57%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 16.648, 157.278 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, 16.648, 157.278 by changing the saturation by 10% instead.


 44, 16.648,
157.278


 44, 16.648,
157.278


 100, 16.648,
157.278


 34, 16.648,
157.278

 64, 16.648,
157.278


 24, 16.648,
157.278

 74, 16.648,
157.278


 14, 16.648,
157.278


 84, 16.648,
157.278

 4, 16.648, 157.278

 94, 16.648,
157.278

 0, 16.648, 157.278

 44, 16.648,

 44, 16.648,

157.278

157.278

■ 43, 22.466,
156.257

■ 45, 10.713,
158.187

■ 42, 28.077,
155.104

■ 46, 4.735, 159.020

■ 42, 33.387,
153.797

■ 47, 1.222, 339.489

■ 48, 7.108, 340.309

■ 41, 38.305,
152.318

■ 50, 12.887,
340.919

■ 41, 42.753,
150.655

■ 51, 18.533,
341.471

■ 41, 46.680,
148.808

■ 52, 24.029,
341.977

■ 41, 50.184,
146.917

■ 54, 29.368,
342.445

■ 40, 50.888,
146.566

■ 55, 34.545,

Harmonies

Complementary

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



44, 16.648, 157.278



38, 17.008, 341.735

Rectangle

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



44, 16.648, 157.278



44, 16.648, 207.278



44, 16.648, 337.278



44, 16.648, 27.278

Sweetspot

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



44, 16.649, 157.277



59, 5.949, 158.998



45, 19.115, 124.795



31, 4.263, 158.895



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 16.649, 157.277



56, 25.185, 156.578



44, 11.972, 190.577



23, 3.383, 158.932



44, 54.021, 146.359



86, 95.001, 145.010

Inverse Universe

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



38, 17.008, 341.735



47, 25.839, 342.381



37, 13.905, 15.051



22, 3.412, 340.159



25, 49.917, 353.236



54, 84.461, 355.262

Previews

White Background



This preview shows how the CIELCh color 44, 16.648, 157.278 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, 16.648, 157.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

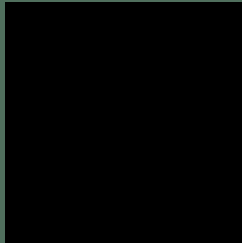
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 16.648, 157.278

Background



This preview shows how black text looks on a background with the CIELCh color 44, 16.648, 157.278.



This preview shows how white text looks on a background with the CIELCh color 44, 16.648, 157.278.

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, 16.648, 157.278

Protanopia

44, 8.754, 91.544

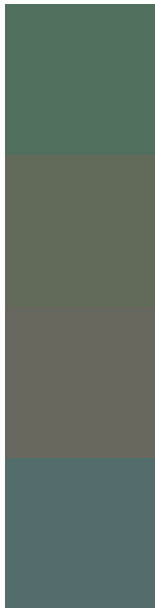
Deuteranopia

44, 7.958, 42.136



Tritanopia
44, 9.722, 228.255

Trichromacy



Original Color
44, 16.648, 157.278

Protanomaly
44, 10.153, 128.438

Deuteranomaly
44, 5.968, 109.305

Tritanomaly
44, 10.058, 194.820

Monochromacy



Original Color
44, 16.648, 157.278

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 6.233, 156.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 16.648, 157.278 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(80, 111, 93)` looks like.

```
.text, #text, p{  
    color:rgb(80, 111, 93)  
}
```

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(80, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 111, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 16.648, 157.278 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(80, 111, 93) }
```

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

```
.border{ border-color:rgb(80, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(80, 111,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 16.648, 157.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 111, 93) }
```

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

```
.background{ background-color: rgb(80, 111,  
93) }
```

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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