

Converting Colors

CIELCh(43, 36.494, 166.996)

Have a look what the booklet for
CIELCh(43, 36.494, 166.996)
contains.

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Color

CIELCh(43, 36.509, 166.940)

Conversions

Conversions Part 1

Format	Color
Hex	017457
RGB	1, 116, 87
RGB Percent	0%, 45%, 34%
CMY	0.9971, 0.5455, 0.6592
CMYK	0.99, 0.00, 0.25, 0.55
HSL	165°, 99%, 23%
HSV	165°, 99%, 45%
XYZ	7.9588, 13.1578, 11.1159
YIQ	78.3090, -59.2310, -33.3990

Conversions

Conversions Part 2

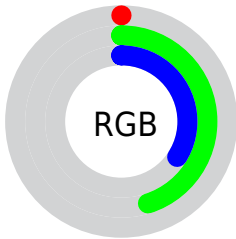
Format	Color
R_{YB}	1, 67, 116
Decimal	95319
CIE _{Lab}	43.00, -35.56, 8.25
CIE _{LCh}	43, 36.509, 166.940
Yxy	13.1578, 0.2469, 0.4082
Android (android.graphics.Color)	4278285399 (0xFF017457)
YUV	78.3090, 4.2847, -67.8000
Hunter-Lab	36.2736, -24.3142, 7.2224

Details

The CIELCh color **43, 36.509, 166.940** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 49.187, 22.460**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 36.625, 167.080**, and **24, 28.147, 159.410** is the 20% darker color. If you saturate the color by 10%, you get **43, 36.633, 166.833**, and if you desaturate by 10%, it is **43, 34.603, 168.682**.

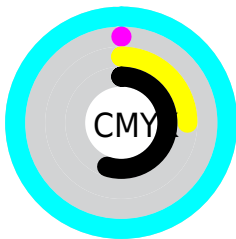
Distribution



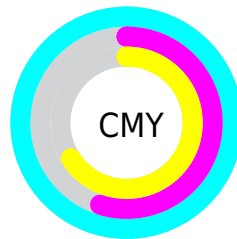
- Red (0%)
- Green (45%)
- Blue (34%)



- Red (0%)
- Yellow (26%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (25%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 36.509, 166.940 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 43, 36.509, 166.940 by changing the saturation by 10% instead.


 43, 36.509,
166.940


 43, 36.509,
166.940


 100, 36.509,
166.940


 33, 36.509,
166.940

 63, 36.509,
166.940


 23, 36.509,
166.940

 73, 36.509,
166.940

 13, 36.509,
166.940

 83, 36.509,
166.940

 3, 36.509, 166.940

 93, 36.509,
166.940

 0, 36.509, 166.940

 43, 36.509,

 43, 36.509,

166.940

166.940

■ 43, 36.633,
166.833

■ 43, 34.603,
168.682

■ 43, 32.379,
170.369

■ 44, 29.642,
171.890

■ 44, 26.404,
173.264

■ 45, 22.703,
174.510

■ 45, 18.603,
175.651

■ 46, 14.176,
176.705

■ 47, 9.498, 177.693

Harmonies

Complementary

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



43, 36.509, 166.940



23, 49.187, 22.460

Rectangle

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



43, 36.509, 166.940



43, 36.509, 216.940



43, 36.509, 346.940



43, 36.509, 36.940

Sweetspot

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



43, 36.509, 166.939



59, 17.893, 176.561



42, 64.292, 133.226



30, 12.220, 176.214



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 36.509, 166.939



55, 44.590, 166.275



35, 24.858, 240.529



24, 2.822, 178.675



45, 38.161, 166.705



88, 65.823, 165.498

Inverse Universe

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



23, 49.187, 22.460



31, 60.287, 24.315



25, 52.250, 44.463



23, 2.905, 0.131



25, 51.511, 23.091



53, 89.354, 26.484

Previews

White Background



This preview shows how the CIELCh color 43, 36.509, 166.940 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 43, 36.509, 166.940 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 43, 36.509, 166.940

Background



This preview shows how black text looks on a background with the CIELCh color 43, 36.509, 166.940.



This preview shows how white text looks on a background with the CIELCh color 43, 36.509, 166.940.

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
43, 36.509, 166.940

Protanopia
43, 12.947, 94.271

Deuteranopia
43, 8.571, 49.330



Tritanopia
43, 22.556, 212.747

Trichromacy



Original Color
43, 36.509, 166.940

Protanomaly
42, 20.616, 154.770

Deuteranomaly
42, 15.882, 162.681

Tritanomaly
43, 26.237, 191.158

Monochromacy



Original Color
43, 36.509, 166.940

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 17.745, 174.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 36.509, 166.940 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(1, 116, 87)` looks like.

```
.text, #text, p{  
    color:rgb(1, 116, 87)  
}
```

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(1, 116, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 116, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 36.509, 166.940 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(1, 116, 87) }
```

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

```
.border{ border-color:rgb(1, 116, 87) }
```

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

Here you see how a box with a 4 pixel rgb(1, 116, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 116, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 116, 87);  
box-shadow:4px 4px 4px 4px rgb(1, 116, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 36.509, 166.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 116, 87) }
```

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

```
.background{ background-color: rgb(1, 116,  
87) }
```

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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