

Converting Colors

CIELCh(33, 43.635, 147.032)

Have a look what the booklet for
CIELCh(33, 43.635, 147.032)
contains.

CIELCh(33, 43.800, 147.089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 43.800, 147.089)

Conversions

Conversions Part 1

Format	Color
Hex	005B26
RGB	0, 91, 38
RGB Percent	0%, 36%, 15%
CMY	1.0000, 0.6449, 0.8526
CMYK	1.00, 0.00, 0.58, 0.64
HSL	145°, 100%, 18%
HSV	145°, 100%, 36%
XYZ	4.0359, 7.5373, 3.0416
YIQ	57.7490, -37.2230, -35.7750

Conversions

Conversions Part 2

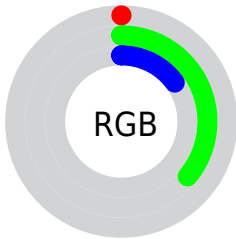
Format	Color
RYB	0, 64, 91
Decimal	23334
CIELab	33.00, -36.77, 23.80
CIELCh	33, 43.800, 147.089
Yxy	7.5373, 0.2762, 0.5157
Android (android.graphics.Color)	4278213414 (0xFF005B26)
YUV	57.7490, -9.7363, -50.6459
Hunter-Lab	27.4541, -21.8044, 12.6491

Details

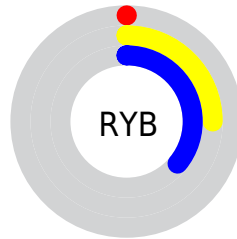
The CIELCh color **33, 43.800, 147.089** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 41.286, 351.768**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 43.947, 147.032**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 43.729, 147.003**, and if you desaturate by 10%, it is **33, 40.592, 148.661**.

Distribution



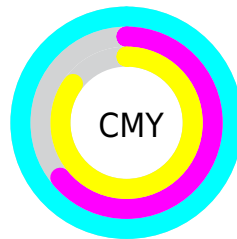
- Red (0%)
- Green (36%)
- Blue (15%)



- Red (0%)
- Yellow (25%)
- Blue (36%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (64%)





- Cyan (100%)
- Magenta (64%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 43.800, 147.089 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 33, 43.800, 147.089 by changing the saturation by 10% instead.

 33, 43.800,
147.089


 33, 43.800,
147.089

 100, 43.800,
147.089


 23, 43.800,
147.089

 53, 43.800,
147.089


 13, 43.800,
147.089


 63, 43.800,
147.089

 3, 43.800, 147.089

 73, 43.800,
147.089

 0, 43.800, 147.089

 83, 43.800,
147.089

 93, 43.800,
147.089

■ 33, 43.800,
147.089

■ 33, 43.800,
147.089

■ 33, 43.729,
147.003

■ 33, 40.592,
148.661

■ 33, 37.250,
150.456

■ 34, 33.479,
152.080

■ 34, 29.317,
153.529

■ 35, 24.827,
154.813

■ 35, 20.083,
155.949

■ 36, 15.160,
156.957

■ 37, 10.131,

157.856

■ 38, 5.058, 158.674

Harmonies

Complementary

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



33, 43.800, 147.089



18, 41.286, 351.768

Rectangle

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



33, 43.800, 147.089



33, 43.800, 197.089



33, 43.800, 327.089



33, 43.800, 17.089

Sweetspot

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



33, 43.729, 147.003



46, 18.756, 156.866



34, 49.118, 123.199



23, 12.650, 156.612



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 43.729, 147.003



43, 53.334, 146.239



34, 25.653, 183.153



18, 2.865, 158.766



40, 50.635, 146.421



83, 92.261, 144.892

Inverse Universe

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



18, 41.286, 351.768



24, 49.262, 352.810



17, 43.828, 30.189



17, 2.888, 339.926



23, 47.014, 352.556



52, 81.977, 354.797

Previews

White Background



This preview shows how the CIELCh color 33, 43.800, 147.089 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 43.800, 147.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33, 43.800, 147.089

Background



This preview shows how black text looks on a background with the CIELCh color 33, 43.800, 147.089.



This preview shows how white text looks on a background with the CIELCh color 33, 43.800, 147.089.

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

33, 43.800, 147.089

Protanopia

33, 27.129, 95.678

Deuteranopia

33, 22.808, 78.775



Tritanopia
33, 16.806, 212.685

Trichromacy



Original Color
33, 43.800, 147.089

Protanomaly
32, 31.820, 129.493

Deuteranomaly
31, 26.315, 126.953

Tritanomaly
33, 24.236, 173.072

Monochromacy



Original Color
33, 43.800, 147.089

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 18.908, 155.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 43.800, 147.089 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(0, 91, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 38)  
}
```

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(0, 91, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 43.800, 147.089 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(0, 91, 38) }
```

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

```
.border{ border-color:rgb(0, 91, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 91, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 38); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 91, 38); box-shadow:4px  
4px 4px 4px rgb(0, 91, 38) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 43.800, 147.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 38) }
```

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

```
.background{ background-color: rgb(0, 91,  
38) }
```

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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