

Converting Colors

CIELCh(31, 60.946, 158.544)

Have a look what the booklet for
CIELCh(31, 60.946, 158.544)
contains.

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Color

CIELCh(33, 44.546, 145.943)

Conversions

Conversions Part 1

Format	Color
Hex	015B24
RGB	1, 91, 36
RGB Percent	0%, 36%, 14%
CMY	0.9961, 0.6449, 0.8608
CMYK	0.99, 0.00, 0.61, 0.64
HSL	143°, 98%, 18%
HSV	143°, 99%, 36%
XYZ	4.0265, 7.5373, 2.8722
YIQ	57.8200, -35.9850, -36.1850

Conversions

Conversions Part 2

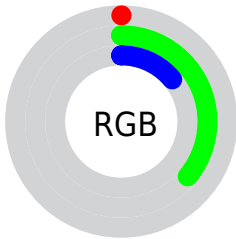
Format	Color
R_{YB}	1, 66, 91
Decimal	88868
CIE Lab	33.00, -36.91, 24.95
CIE LCh	33, 44.546, 145.943
Yxy	7.5373, 0.2789, 0.5221
Android (android.graphics.Color)	4278278948 (0xFF015B24)
YUV	57.8200, -10.7573, -49.8311
Hunter-Lab	27.4541, -21.8651, 13.0151

Details

The CIELCh color **33, 44.546, 145.943** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 41.653, 349.270**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 44.626, 145.891**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 44.893, 145.782**, and if you desaturate by 10%, it is **33, 41.323, 147.606**.

Distribution



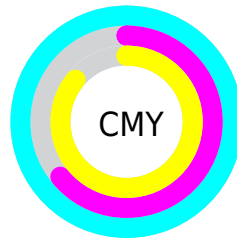
- Red (0%)
- Green (36%)
- Blue (14%)



- Red (0%)
- Yellow (26%)
- Blue (36%)



- Cyan (99%)
- Magenta (0%)
- Yellow (61%)
- Black (64%)





- Cyan (100%)
- Magenta (64%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 44.546, 145.943 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, 44.546, 145.943 by changing the saturation by 10% instead.


 33, 44.546,
145.943


 33, 44.546,
145.943

 100, 44.546,
145.943

 23, 44.546,
145.943

 53, 44.546,
145.943


 13, 44.546,
145.943


 63, 44.546,
145.943

 3, 44.546, 145.943

 73, 44.546,
145.943

 0, 44.546, 145.943

 83, 44.546,
145.943

 93, 44.546,
145.943

■ 33, 44.546,
145.943

■ 33, 44.546,
145.943

■ 33, 44.893,
145.782

■ 33, 41.323,
147.606

■ 33, 37.833,
149.366

■ 34, 33.900,
150.956

■ 34, 29.574,
152.373

■ 35, 24.923,
153.628

■ 35, 20.025,
154.736

■ 36, 14.959,
155.716

■ 37, 9.797, 156.588

Harmonies

Complementary

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



33, 44.546, 145.943



18, 41.653, 349.270

Rectangle

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



33, 44.546, 145.943



33, 44.546, 195.943



33, 44.546, 325.943



33, 44.546, 15.943

Sweetspot

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



33, 44.546, 145.943



46, 19.198, 155.526



35, 48.515, 122.508



23, 12.950, 155.276



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, 44.546, 145.943



43, 54.752, 145.030



34, 25.977, 181.279



18, 2.929, 157.387



40, 51.981, 145.209



83, 94.701, 143.712

Inverse Universe

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



18, 41.653, 349.270



25, 49.941, 350.391



17, 43.216, 29.391



17, 2.949, 338.516



23, 47.667, 350.165



52, 83.042, 352.165

Previews

White Background



This preview shows how the CIELCh color 33, 44.546, 145.943 looks on a white background.

Color Contrast Check

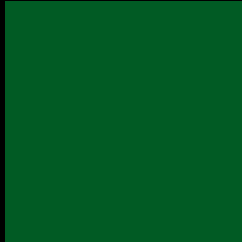
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.546, 145.943 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, 44.546, 145.943

Background



This preview shows how black text looks on a background with the CIELCh color 33, 44.546, 145.943.



This preview shows how white text looks on a background with the CIELCh color 33, 44.546, 145.943.

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, 44.574, 146.070

Protanopia

33, 28.207, 95.822

Deuteranopia

33, 23.894, 79.779



Tritanopia
33, 16.806, 212.685

Trichromacy



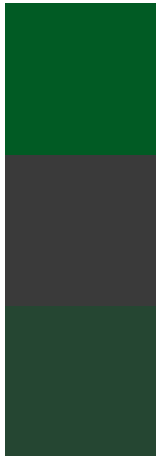
Original Color
33, 44.574, 146.070

Protanomaly
32, 32.622, 127.970

Deuteranomaly
32, 27.216, 125.123

Tritanomaly
33, 24.598, 171.793

Monochromacy



Original Color
33, 44.574, 146.070

Achromatopsia
24, 0.004, 296.813

Achromatomaly
27, 19.345, 154.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 44.546, 145.943 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, 91, 36)` looks like.

```
.text, #text, p{  
    color:rgb(1, 91, 36)  
}
```

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, 91, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 91, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 44.546, 145.943 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, 91, 36) }
```

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

```
.border{ border-color:rgb(1, 91, 36) }
```

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

Here you see how a box with a 4 pixel rgb(1, 91, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 91, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 91, 36); box-shadow:4px  
4px 4px 4px rgb(1, 91, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 44.546, 145.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 91, 36) }
```

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

```
.background{ background-color: rgb(1, 91,  
36) }
```

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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