

Converting Colors

CIELCh(33, 26.175, 127.018)

Have a look what the booklet for
CIELCh(33, 26.175, 127.018)
contains.

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Color

CIELCh(33, 26.146, 127.034)

Conversions

Conversions Part 1

Format	Color
Hex	40542C
RGB	64, 84, 44
RGB Percent	25%, 33%, 17%
CMY	0.7505, 0.6721, 0.8289
CMYK	0.24, 0.00, 0.48, 0.67
HSL	90°, 31%, 25%
HSV	90°, 48%, 33%
XYZ	5.6780, 7.5373, 3.5032
YIQ	73.4600, 0.9200, -16.6800

Conversions

Conversions Part 2

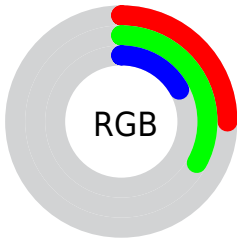
Format	Color
R_{YB}	44, 84, 64
Decimal	4215852
CIE Lab	33.00, -15.75, 20.87
CIE LCh	33, 26.146, 127.034
Yxy	7.5373, 0.3396, 0.4508
Android (android.graphics.Color)	4282405932 (0xFF40542C)
YUV	73.4600, -14.5238, -8.2964
Hunter-Lab	27.4541, -11.1274, 11.6523

Details

The CIELCh color **33, 26.146, 127.034** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 27.863, 311.277**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 26.549, 126.773**, and **13, 24.686, 128.743** is the 20% darker color. If you saturate the color by 10%, you get **33, 31.257, 126.663**, and if you desaturate by 10%, it is **33, 20.820, 127.462**.

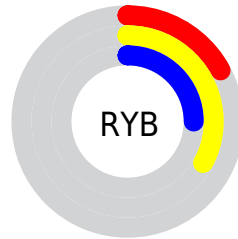
Distribution



 Red (25%)

 Green (33%)

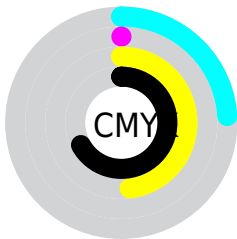
 Blue (17%)




 Red (17%)

 Yellow (33%)

 Blue (25%)

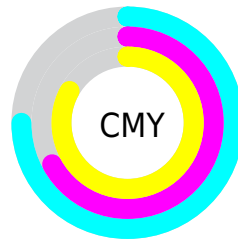


 Cyan (24%)

 Magenta (0%)

 Yellow (48%)

 Black (67%)



 Cyan (75%)


 Magenta (67%)


 Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 26.146, 127.034 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, 26.146, 127.034 by changing the saturation by 10% instead.


 33, 26.146,
127.034


 33, 26.146,
127.034

 100, 26.146,
127.034


 23, 26.146,
127.034

 53, 26.146,
127.034


 13, 26.146,
127.034


 63, 26.146,
127.034

 3, 26.146, 127.034

 73, 26.146,
127.034

 0, 26.146, 127.034

 83, 26.146,
127.034

 93, 26.146,
127.034

■ 33, 26.146,
127.034

■ 33, 26.146,
127.034

■ 33, 31.257,
126.663

■ 33, 20.820,
127.462

■ 32, 36.027,
126.398

■ 34, 15.366,
127.907

■ 32, 40.292,
126.316

■ 34, 9.848, 128.349

■ 32, 43.854,
126.514

■ 35, 4.310, 128.779

■ 36, 1.214, 309.108

■ 31, 47.116,
126.703

■ 36, 6.701, 309.518

■ 31, 47.875,
126.690

■ 37, 12.133,
309.858

■ 38, 17.497,
310.166

■ 39, 22.784,

Harmonies

Complementary

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



33, 26.146, 127.034



22, 27.863, 311.277

Rectangle

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



33, 26.146, 127.034



33, 26.146, 177.034



33, 26.146, 307.034



33, 26.146, 357.034

Sweetspot

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



33, 26.147, 127.035



45, 9.682, 128.492



29, 16.561, 69.966



23, 6.739, 128.432



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 26.147, 127.035



43, 38.483, 126.624



32, 30.323, 141.033



16, 3.024, 128.741



39, 56.175, 127.176



83, 101.825, 128.290

Inverse Universe

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



22, 27.863, 311.277



26, 41.707, 311.810



25, 30.231, 326.749



15, 3.061, 309.415



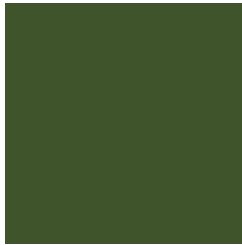
14, 64.432, 312.502



37, 116.370, 311.738

Previews

White Background



This preview shows how the CIELCh color 33, 26.146, 127.034 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, 26.146, 127.034 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, 26.146, 127.034

Background



This preview shows how black text looks on a background with the CIELCh color 33, 26.146, 127.034.



This preview shows how white text looks on a background with the CIELCh color 33, 26.146, 127.034.

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, 26.146, 127.034

Protanopia

33, 22.443, 97.255

Deuteranopia

33, 20.363, 77.545



Tritanopia
33, 5.202, 245.862

Trichromacy



Original Color
33, 26.146, 127.034

Protanomaly
33, 22.701, 109.862

Deuteranomaly
33, 20.056, 98.083

Tritanomaly
33, 8.994, 148.027

Monochromacy



Original Color
33, 26.146, 127.034

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 9.983, 127.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 26.146, 127.034 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(64, 84, 44)` looks like.

```
.text, #text, p{  
    color:rgb(64, 84, 44)  
}
```

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(64, 84, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 84, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 26.146, 127.034 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(64, 84, 44) }
```

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

```
.border{ border-color:rgb(64, 84, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 84, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 84, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 84, 44);  
box-shadow:4px 4px 4px 4px rgb(64, 84, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 26.146, 127.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 84, 44) }
```

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

```
.background{ background-color: rgb(64, 84,  
44) }
```

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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