

Converting Colors

CIELCh(33, 51.175, 128.948)

Have a look what the booklet for
CIELCh(33, 51.175, 128.948)
contains.

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Color

CIELCh(33, 51.146, 129.081)

Conversions

Conversions Part 1

Format	Color
Hex	265900
RGB	38, 89, 0
RGB Percent	15%, 35%, 0%
CMY	0.8514, 0.6514, 1.0000
CMYK	0.57, 0.00, 1.00, 0.65
HSL	94°, 100%, 17%
HSV	94°, 100%, 35%
XYZ	4.3583, 7.5373, 1.2222
YIQ	63.6050, -1.8270, -38.4910

Conversions

Conversions Part 2

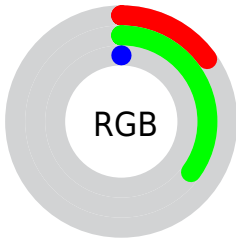
Format	Color
RYB	0, 89, 51
Decimal	2513152
CIELab	33.00, -32.24, 39.70
CIELCh	33, 51.146, 129.081
Yxy	7.5373, 0.3322, 0.5746
Android (android.graphics.Color)	4280703232 (0xFF265900)
YUV	63.6050, -31.3573, -22.4556
Hunter-Lab	27.4541, -19.7077, 16.5784

Details

The CIELCh color **33, 51.146, 129.081** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 56.585, 314.518**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 51.328, 129.189**, and **14, 31.948, 141.246** is the 20% darker color. If you saturate the color by 10%, you get **33, 51.116, 129.101**, and if you desaturate by 10%, it is **33, 47.725, 128.995**.

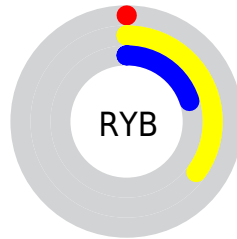
Distribution



Red (15%)

Green (35%)

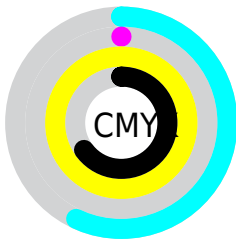
Blue (0%)



Red (0%)

Yellow (35%)

Blue (20%)

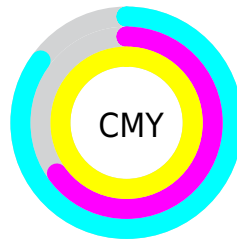


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (85%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 51.146, 129.081 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, 51.146, 129.081 by changing the saturation by 10% instead.


 33, 51.146,
129.081


 33, 51.146,
129.081

 100, 51.146,
129.081


 23, 51.146,
129.081

 53, 51.146,
129.081


 13, 51.146,
129.081


 63, 51.146,
129.081

 3, 51.146, 129.081

 73, 51.146,
129.081

 0, 51.146, 129.081

 83, 51.146,
129.081

 93, 51.146,
129.081

■ 33, 51.146,
129.081

■ 33, 51.146,
129.081

■ 33, 51.116,
129.101

■ 33, 47.725,
128.995

■ 34, 44.127,
128.761

■ 34, 39.718,
128.823

■ 34, 34.709,
129.087

■ 35, 29.290,
129.468

■ 35, 23.609,
129.904

■ 36, 17.771,
130.357

■ 36, 11.856,

130.802

■ 37, 5.917, 131.229

Harmonies

Complementary

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



33, 51.146, 129.081



12, 56.585, 314.518

Rectangle

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



33, 51.146, 129.081



33, 51.146, 179.081



33, 51.146, 309.081



33, 51.146, 359.081

Sweetspot

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



33, 51.116, 129.101



46, 21.929, 130.314



25, 37.508, 68.620



23, 15.069, 130.192



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, 51.116, 129.101



43, 61.472, 129.606



32, 53.895, 137.252



17, 3.241, 131.281



40, 58.457, 129.481



83, 105.067, 130.513

Inverse Universe

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



12, 56.585, 314.518



17, 67.872, 314.175



19, 51.040, 330.861



16, 3.275, 311.930



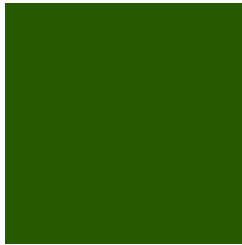
16, 64.584, 314.261



40, 115.472, 313.538

Previews

White Background



This preview shows how the CIELCh color 33, 51.146, 129.081 looks on a white background.

Color Contrast Check

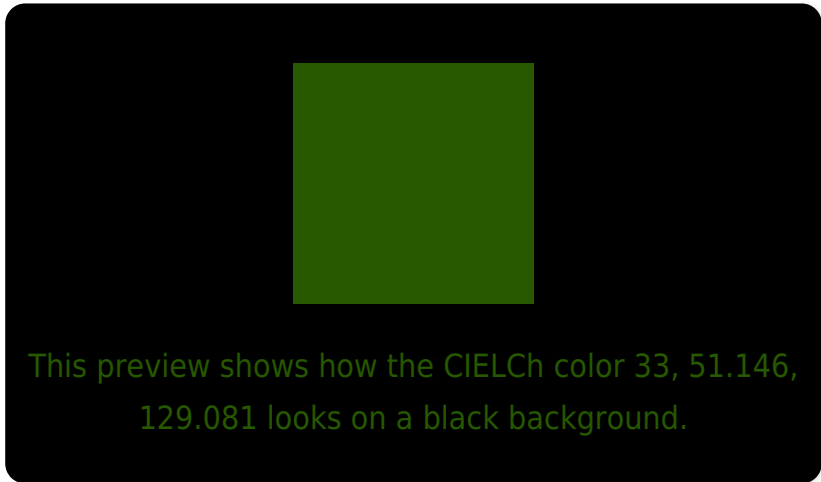
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

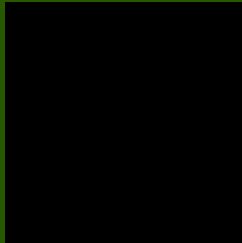
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 51.146, 129.081

Background



This preview shows how black text looks on a background with the CIELCh color 33, 51.146, 129.081.



This preview shows how white text looks on a background with the CIELCh color 33, 51.146, 129.081.

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, 51.146, 129.081

Protanopia

33, 41.368, 96.305

Deuteranopia

33, 35.468, 83.284



Tritanopia
33, 12.002, 216.429

Trichromacy



Original Color
33, 51.146, 129.081

Protanomaly
32, 43.122, 111.643

Deuteranomaly
32, 37.712, 105.828

Tritanomaly
33, 23.919, 149.313

Monochromacy



Original Color
33, 51.146, 129.081

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 21.867, 129.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 51.146, 129.081 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(38, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(38, 89, 0)  
}
```

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(38, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 89, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 51.146, 129.081 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(38, 89, 0) }
```

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

```
.border{ border-color:rgb(38, 89, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 89, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 89, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(38, 89, 0); box-shadow:4px  
4px 4px 4px rgb(38, 89, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 51.146, 129.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 89, 0) }
```

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

```
.background{ background-color: rgb(38, 89,  
0) }
```

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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