

Converting Colors

CIELCh(33, 50.047, 127.383)

Have a look what the booklet for
CIELCh(33, 50.047, 127.383)
contains.

CIELCh(33, 49.810, 127.177)	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, 49.810, 127.177)

Conversions

Conversions Part 1

Format	Color
Hex	2B5800
RGB	43, 88, 0
RGB Percent	17%, 35%, 0%
CMY	0.8304, 0.6540, 0.9991
CMYK	0.51, 0.00, 1.00, 0.65
HSL	91°, 99%, 17%
HSV	91°, 100%, 35%
XYZ	4.5169, 7.5373, 1.2234
YIQ	64.5130, 1.4280, -36.9080

Conversions

Conversions Part 2

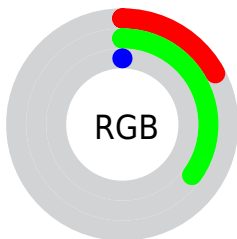
Format	Color
RYB	0, 88, 45
Decimal	2840576
CIELab	33.00, -30.10, 39.69
CIELCh	33, 49.810, 127.177
Yxy	7.5373, 0.3402, 0.5677
Android (android.graphics.Color)	4281030656 (0xFF2B5800)
YUV	64.5130, -31.8049, -18.8669
Hunter-Lab	27.4541, -18.6769, 16.5758

Details

The CIELCh color **33, 49.810, 127.177** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 56.853, 312.991**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 49.501, 127.292**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **33, 49.903, 127.178**, and if you desaturate by 10%, it is **33, 46.485, 126.992**.

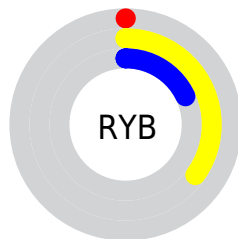
Distribution



Red (17%)

Green (35%)

Blue (0%)



Red (0%)

Yellow (35%)

Blue (18%)

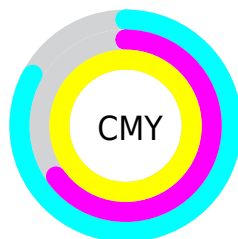


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (83%)

Magenta (65%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 49.810, 127.177 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, 49.810, 127.177 by changing the saturation by 10% instead.


 33, 49.810,
127.177

 33, 49.810,
127.177

 100, 49.810,
127.177


 23, 49.810,
127.177

 53, 49.810,
127.177


 13, 49.810,
127.177


 63, 49.810,
127.177

 3, 49.810, 127.177

 73, 49.810,
127.177

 0, 49.810, 127.177

 83, 49.810,
127.177

 93, 49.810,
127.177

■ 33, 49.810,
127.177

■ 33, 49.810,
127.177

■ 33, 49.903,
127.178

■ 33, 46.485,
126.992

■ 34, 42.961,
126.715

■ 34, 38.648,
126.741

■ 34, 33.753,
126.975

■ 35, 28.462,
127.333

■ 35, 22.916,
127.755

■ 36, 17.219,
128.201

■ 36, 11.441,

128.647

■ 37, 5.636, 129.080

Harmonies

Complementary

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



33, 49.810, 127.177



11, 56.853, 312.991

Rectangle

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



33, 49.810, 127.177



33, 49.810, 177.177



33, 49.810, 307.177



33, 49.810, 357.177

Sweetspot

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



33, 49.810, 127.178



46, 21.568, 128.145



23, 37.315, 62.599



23, 14.819, 128.025



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, 49.810, 127.178



43, 60.315, 127.713



32, 55.159, 136.041



17, 3.193, 129.122



40, 57.361, 127.584



83, 103.045, 128.658

Inverse Universe

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



11, 56.853, 312.991



16, 68.747, 312.635



19, 53.233, 328.228



16, 3.231, 309.800



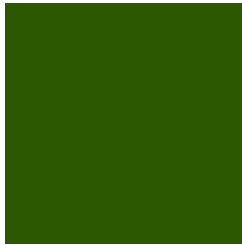
15, 65.409, 312.723



38, 117.060, 311.983

Previews

White Background



This preview shows how the CIELCh color 33, 49.810, 127.177 looks on a white background.

Color Contrast Check

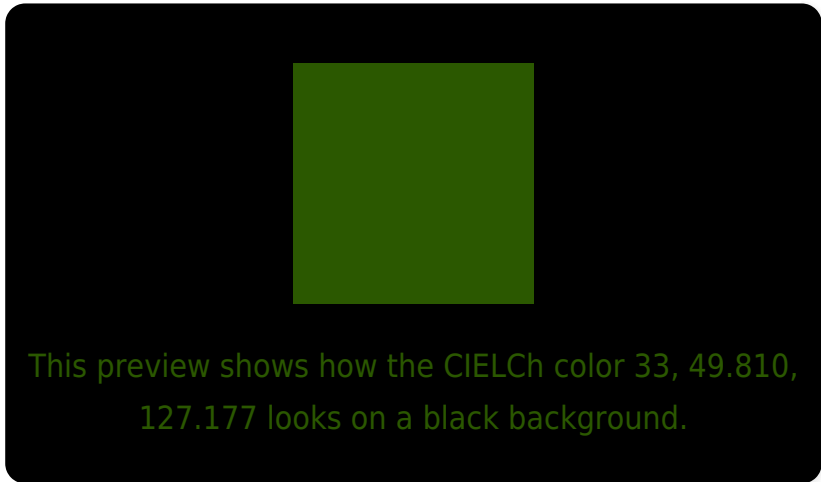
Large Text (above 18pt) WCAG AA ✓ Pass

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

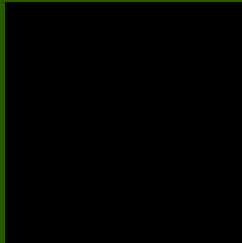
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 49.810, 127.177

Background



This preview shows how black text looks on a background with the CIELCh color 33, 49.810, 127.177.



This preview shows how white text looks on a background with the CIELCh color 33, 49.810, 127.177.

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, 49.810, 127.177

Protanopia

33, 41.368, 96.305

Deuteranopia

33, 35.468, 83.284



Tritanopia
33, 10.943, 222.087

Trichromacy



Original Color
33, 49.810, 127.177

Protanomaly
33, 42.956, 110.338

Deuteranomaly
32, 37.342, 104.331

Tritanomaly
33, 22.206, 147.065

Monochromacy



Original Color
33, 49.810, 127.177

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 21.500, 127.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 49.810, 127.177 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(43, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 88, 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(43, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 88, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 49.810, 127.177 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(43, 88, 0) }
```

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

```
.border{ border-color:rgb(43, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 88, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 88, 0); box-shadow:4px  
4px 4px 4px rgb(43, 88, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 49.810, 127.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 88, 0) }
```

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

```
.background{ background-color: rgb(43, 88,  
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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