

Converting Colors

CIELCh(33, 49.411, 126.240)

Have a look what the booklet for
CIELCh(33, 49.411, 126.240)
contains.

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Color

CIELCh(33, 49.465, 126.420)

Conversions

Conversions Part 1

Format	Color
Hex	2D5800
RGB	45, 88, 0
RGB Percent	18%, 35%, 0%
CMY	0.8235, 0.6549, 1.0000
CMYK	0.49, 0.00, 1.00, 0.65
HSL	89°, 100%, 17%
HSV	89°, 100%, 35%
XYZ	4.5719, 7.5373, 1.2139
YIQ	65.1110, 2.6200, -36.4840

Conversions

Conversions Part 2

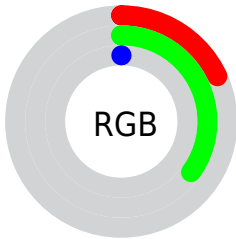
Format	Color
RYB	0, 88, 43
Decimal	2971648
CIELab	33.00, -29.37, 39.80
CIELCh	33, 49.465, 126.420
Yxy	7.5373, 0.3432, 0.5657
Android (android.graphics.Color)	4281161728 (0xFF2D5800)
YUV	65.1110, -32.0997, -17.6373
Hunter-Lab	27.4541, -18.3195, 16.5963

Details

The CIELCh color **33, 49.465, 126.420** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 57.134, 312.493**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 49.171, 126.461**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **33, 49.466, 126.421**, and if you desaturate by 10%, it is **33, 46.160, 126.228**.

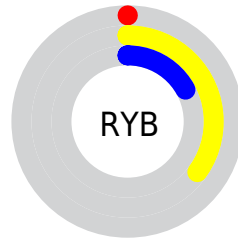
Distribution



Red (18%)

Green (35%)

Blue (0%)



Red (0%)

Yellow (35%)

Blue (17%)

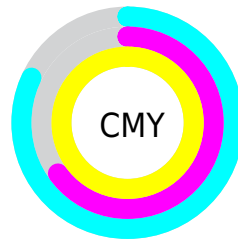


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (82%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 49.465, 126.420 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, 49.465, 126.420 by changing the saturation by 10% instead.


 33, 49.465,
126.420


 33, 49.465,
126.420

 100, 49.465,
126.420


 23, 49.465,
126.420

 53, 49.465,
126.420


 13, 49.465,
126.420


 63, 49.465,
126.420

 3, 49.465, 126.420

 73, 49.465,
126.420

 0, 49.465, 126.420

 83, 49.465,
126.420

 93, 49.465,
126.420

■ 33, 49.465,
126.420

■ 33, 49.465,
126.420

■ 33, 49.466,
126.421

■ 33, 46.160,
126.228

■ 34, 42.692,
125.935

■ 34, 38.440,
125.946

■ 34, 33.604,
126.169

■ 35, 28.370,
126.520

■ 35, 22.879,
126.939

■ 36, 17.233,
127.386

■ 36, 11.505,

127.836

■ 37, 5.746, 128.274

Harmonies

Complementary

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



33, 49.465, 126.420



11, 57.134, 312.493

Rectangle

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



33, 49.465, 126.420



33, 49.465, 176.420



33, 49.465, 306.420



33, 49.465, 356.420

Sweetspot

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



33, 49.465, 126.421



46, 21.446, 127.341



23, 37.402, 61.073



23, 14.734, 127.220



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, 49.465, 126.421



43, 59.890, 126.964



32, 55.021, 135.854



17, 3.176, 128.327



40, 56.959, 126.835



84, 102.292, 127.915

Inverse Universe

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



11, 57.134, 312.493



16, 69.068, 312.122



19, 53.241, 327.622



16, 3.216, 309.021



14, 65.712, 312.210



37, 117.637, 311.471

Previews

White Background



This preview shows how the CIELCh color 33, 49.465, 126.420 looks on a white background.

Color Contrast Check

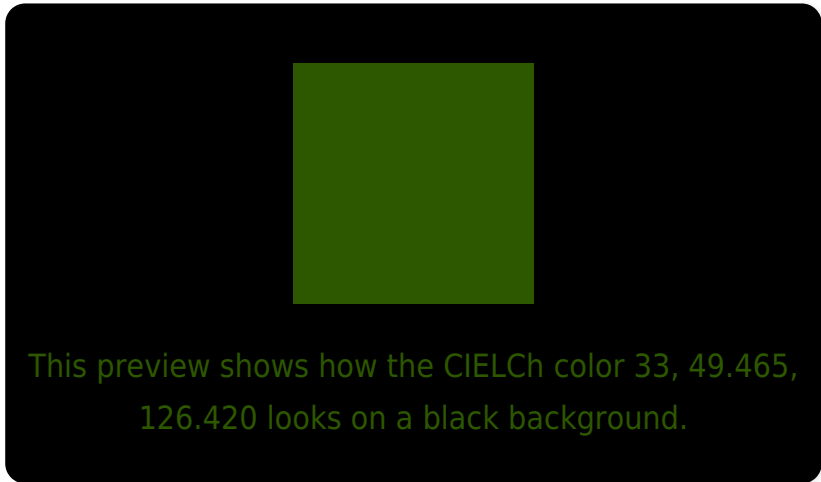
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.465, 126.420

Background



This preview shows how black text looks on a background with the CIELCh color 33, 49.465, 126.420.



This preview shows how white text looks on a background with the CIELCh color 33, 49.465, 126.420.

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, 49.465, 126.420

Protanopia

33, 41.439, 95.583

Deuteranopia

33, 35.468, 83.284



Tritanopia
33, 10.160, 220.189

Trichromacy



Original Color
33, 49.465, 126.420

Protanomaly
33, 42.881, 109.677

Deuteranomaly
32, 37.677, 103.483

Tritanomaly
33, 22.198, 144.662

Monochromacy



Original Color
33, 49.465, 126.420

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 21.327, 126.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 49.465, 126.420 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(45, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 88, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 49.465, 126.420 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(45, 88, 0) }
```

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

```
.border{ border-color:rgb(45, 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(45, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 88, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 88, 0); box-shadow:4px  
4px 4px 4px rgb(45, 88, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 49.465, 126.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 88, 0) }
```

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

```
.background{ background-color: rgb(45, 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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