

Converting Colors

CIELCh(33, 58.540, 105.458)

Have a look what the booklet for
CIELCh(33, 58.540, 105.458)
contains.

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Color

CIELCh(33, 43.164, 108.949)

Conversions

Conversions Part 1

Format	Color
Hex	495200
RGB	73, 82, 0
RGB Percent	29%, 32%, 0%
CMY	0.7120, 0.6766, 1.0000
CMYK	0.11, 0.00, 1.00, 0.68
HSL	67°, 100%, 16%
HSV	67°, 100%, 32%
XYZ	5.8302, 7.5373, 1.1326
YIQ	69.9610, 20.9580, -27.4100

Conversions

Conversions Part 2

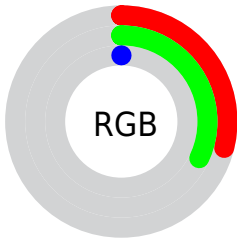
Format	Color
R_{YB}	0, 82, 9
Decimal	4805120
CIE Lab	33.00, -14.02, 40.82
CIE LCh	33, 43.164, 108.949
Yxy	7.5373, 0.4021, 0.5198
Android (android.graphics.Color)	4282995200 (0xFF495200)
YUV	69.9610, -34.4908, 2.6652
Hunter-Lab	27.4541, -10.1379, 16.7720

Details

The CIELCh color **33, 43.164, 108.949** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6, 57.472, 306.686**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 42.740, 109.156**, and **13, 22.346, 123.474** is the 20% darker color. If you saturate the color by 10%, you get **33, 42.980, 109.005**, and if you desaturate by 10%, it is **33, 40.194, 109.195**.

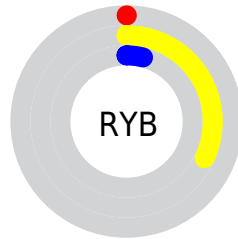
Distribution



Red (29%)

Green (32%)

Blue (0%)



Red (0%)

Yellow (32%)

Blue (4%)

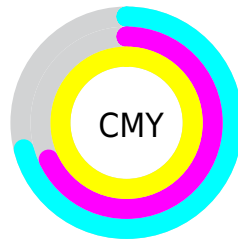


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (68%)



Cyan (71%)

Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 43.164, 108.949 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, 43.164, 108.949 by changing the saturation by 10% instead.


 33, 43.164,
108.949

 33, 43.164,
108.949

 100, 43.164,
108.949


 23, 43.164,
108.949

 53, 43.164,
108.949

 13, 43.164,
108.949


 63, 43.164,
108.949

 3, 43.164, 108.949

 73, 43.164,
108.949

 0, 43.164, 108.949

 83, 43.164,
108.949

 93, 43.164,
108.949

■ 33, 43.164,
108.949

■ 33, 43.164,
108.949

■ 33, 42.980,
109.005

■ 33, 40.194,
109.195

■ 33, 37.360,
109.370

■ 33, 33.782,
109.740

■ 34, 29.634,
110.260

■ 34, 25.093,
110.882

■ 34, 20.295,
111.567

■ 34, 15.331,
112.288

■ 34, 10.266,

113.023

■ 35, 5.144, 113.756

Harmonies

Complementary

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



33, 43.164, 108.949



6, 57.472, 306.686

Rectangle

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



33, 43.164, 108.949



33, 43.164, 158.949



33, 43.164, 288.949



33, 43.164, 338.949

Sweetspot

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



33, 42.980, 109.005



44, 19.013, 112.212



15, 40.311, 36.298



22, 12.801, 112.042



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



33, 42.980, 109.005



43, 51.578, 109.213



30, 48.822, 129.651



16, 2.850, 113.850



42, 50.705, 109.195



87, 91.025, 109.624

Inverse Universe

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



6, 57.472, 306.686



10, 69.980, 306.906



11, 53.427, 315.314



15, 2.904, 295.145



10, 68.783, 306.922



30, 123.969, 306.601

Previews

White Background



This preview shows how the CIELCh color 33, 43.164, 108.949 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 CIELCh color 33, 43.164, 108.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

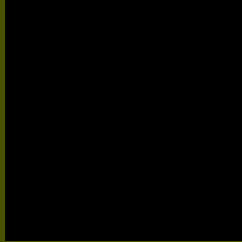
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 43.164, 108.949

Background



This preview shows how black text looks on a background with the CIELCh color 33, 43.164, 108.949.



This preview shows how white text looks on a background with the CIELCh color 33, 43.164, 108.949.

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, 42.814, 109.011

Protanopia

33, 41.439, 95.583

Deuteranopia

33, 37.038, 83.837



Tritanopia
33, 4.008, 309.344

Trichromacy



Original Color
33, 42.814, 109.011

Protanomaly
33, 41.821, 100.715

Deuteranomaly
33, 38.107, 93.911

Tritanomaly
33, 16.147, 108.992

Monochromacy



Original Color
33, 42.814, 109.011

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 18.802, 112.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 43.164, 108.949 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(73, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 82, 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(73, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 82, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 43.164, 108.949 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(73, 82, 0) }
```

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

```
.border{ border-color:rgb(73, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 82, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 82, 0); box-shadow:4px  
4px 4px 4px rgb(73, 82, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 43.164, 108.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 82, 0) }
```

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

```
.background{ background-color: rgb(73, 82,  
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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