

Converting Colors

CIELCh(33, 39.849, 116.623)

Have a look what the booklet for
CIELCh(33, 39.849, 116.623)
contains.

CIELCh(33, 39.872, 116.502)	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, 39.872, 116.502)

Conversions

Conversions Part 1

Format	Color
Hex	42540E
RGB	66, 84, 14
RGB Percent	26%, 33%, 5%
CMY	0.7410, 0.6704, 0.9449
CMYK	0.21, 0.00, 0.83, 0.67
HSL	75°, 71%, 19%
HSV	75°, 83%, 33%
XYZ	5.5017, 7.5373, 1.5818
YIQ	70.6380, 11.7420, -25.5860

Conversions

Conversions Part 2

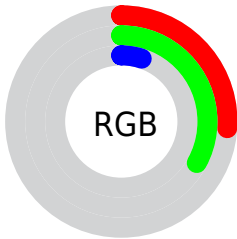
Format	Color
R_{YB}	14, 84, 32
Decimal	4346894
CIE _{Lab}	33.00, -17.79, 35.68
CIE _{LCh}	33, 39.872, 116.502
Yxy	7.5373, 0.3763, 0.5155
Android (android.graphics.Color)	4282536974 (0xFF42540E)
YUV	70.6380, -27.9225, -4.0675
Hunter-Lab	27.4541, -12.2738, 15.8019

Details

The CIELCh color **33, 39.872, 116.502** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11, 48.752, 306.987**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 40.029, 116.957**, and **13, 25.126, 130.658** is the 20% darker color. If you saturate the color by 10%, you get **33, 42.751, 116.674**, and if you desaturate by 10%, it is **33, 36.330, 116.555**.

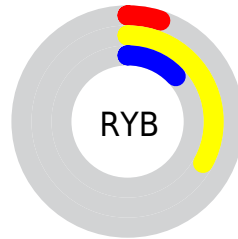
Distribution



 Red (26%)


 Green (33%)

 Blue (5%)




 Red (5%)

 Yellow (33%)

 Blue (13%)

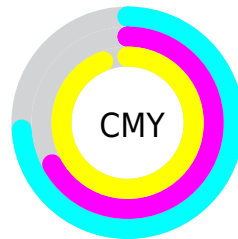



 Cyan (21%)


 Magenta (0%)

 Yellow (83%)

 Black (67%)



 Cyan (74%)


 Magenta (67%)


 Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 39.872, 116.502 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, 39.872, 116.502 by changing the saturation by 10% instead.


 33, 39.872,
116.502


 33, 39.872,
116.502

 100, 39.872,
116.502


 23, 39.872,
116.502

 53, 39.872,
116.502


 13, 39.872,
116.502


 63, 39.872,
116.502

 3, 39.872, 116.502

 73, 39.872,
116.502

 0, 39.872, 116.502

 83, 39.872,
116.502

 93, 39.872,
116.502

■ 33, 39.872,
116.502

■ 33, 39.872,
116.502

■ 33, 42.751,
116.674

■ 33, 36.330,
116.555

■ 33, 44.776,
116.701

■ 33, 32.156,
116.823

■ 34, 27.541,
117.237

■ 34, 22.632,
117.740

■ 34, 17.534,
118.292

■ 35, 12.322,
118.865

■ 35, 7.046, 119.440

■ 36, 1.741, 120.011

Harmonies

Complementary

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



33, 39.872, 116.502



11, 48.752, 306.987

Rectangle

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



33, 39.872, 116.502



33, 39.872, 166.502



33, 39.872, 296.502



33, 39.872, 346.502

Sweetspot

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



33, 39.872, 116.504



45, 16.462, 118.717



20, 32.872, 44.898



23, 11.311, 118.594



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, 39.872, 116.504



43, 54.030, 117.130



31, 45.646, 133.417



16, 2.892, 119.703



41, 52.221, 117.060



85, 94.090, 117.935

Inverse Universe

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



11, 48.752, 306.987



12, 69.837, 308.217



16, 46.968, 319.787



15, 2.942, 300.682



11, 67.480, 308.266



31, 121.956, 307.697

Previews

White Background



This preview shows how the CIELCh color 33, 39.872, 116.502 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, 39.872, 116.502 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, 39.872, 116.502

Background



This preview shows how black text looks on a background with the CIELCh color 33, 39.872, 116.502.



This preview shows how white text looks on a background with the CIELCh color 33, 39.872, 116.502.

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, 39.872, 116.502

Protanopia

33, 37.263, 96.332

Deuteranopia

33, 34.405, 83.750



Tritanopia
33, 4.272, 261.843

Trichromacy



Original Color
33, 39.872, 116.502

Protanomaly
33, 37.411, 104.370

Deuteranomaly
33, 34.886, 97.138

Tritanomaly
33, 13.907, 127.122

Monochromacy



Original Color
33, 39.872, 116.502

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 16.605, 118.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 39.872, 116.502 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(66, 84, 14)` looks like.

```
.text, #text, p{  
    color:rgb(66, 84, 14)  
}
```

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(66, 84, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 84, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 39.872, 116.502 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(66, 84, 14) }
```

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

```
.border{ border-color:rgb(66, 84, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 84, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 84, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 84, 14);  
box-shadow:4px 4px 4px 4px rgb(66, 84, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 39.872, 116.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 84, 14) }
```

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

```
.background{ background-color: rgb(66, 84,  
14) }
```

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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