

Converting Colors

CIELCh(33, 40.479, 117.545)

Have a look what the booklet for
CIELCh(33, 40.479, 117.545)
contains.

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Color

CIELCh(33, 40.333, 116.999)

Conversions

Conversions Part 1

Format	Color
Hex	41540D
RGB	65, 84, 13
RGB Percent	25%, 33%, 5%
CMY	0.7442, 0.6697, 0.9480
CMYK	0.23, 0.00, 0.84, 0.67
HSL	76°, 73%, 19%
HSV	76°, 84%, 33%
XYZ	5.4576, 7.5373, 1.5571
YIQ	70.2250, 11.4670, -26.1090

Conversions

Conversions Part 2

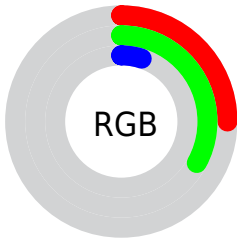
Format	Color
R_{YB}	13, 84, 32
Decimal	4281357
CIE Lab	33.00, -18.31, 35.94
CIE LCh	33, 40.333, 116.999
Yxy	7.5373, 0.3750, 0.5180
Android (android.graphics.Color)	4282471437 (0xFF41540D)
YUV	70.2250, -28.2119, -4.5823
Hunter-Lab	27.4541, -12.5605, 15.8551

Details

The CIELCh color **33, 40.333, 116.999** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11, 49.295, 307.260**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 40.616, 117.370**, and **13, 25.575, 132.412** is the 20% darker color. If you saturate the color by 10%, you get **33, 43.210, 117.189**, and if you desaturate by 10%, it is **33, 36.842, 117.012**.

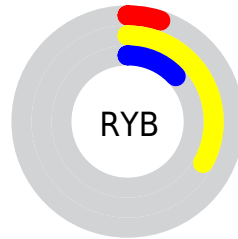
Distribution



Red (25%)

Green (33%)

Blue (5%)



Red (5%)

Yellow (33%)

Blue (13%)

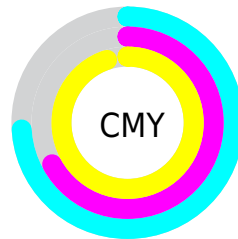


Cyan (23%)

Magenta (0%)

Yellow (84%)

Black (67%)



Cyan (74%)


Magenta (67%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 40.333, 116.999 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, 40.333, 116.999 by changing the saturation by 10% instead.


 33, 40.333,
116.999


 33, 40.333,
116.999

 100, 40.333,
116.999


 23, 40.333,
116.999

 53, 40.333,
116.999


 13, 40.333,
116.999


 63, 40.333,
116.999

 3, 40.333, 116.999

 73, 40.333,
116.999

 0, 40.333, 116.999

 83, 40.333,
116.999

 93, 40.333,
116.999

■ 33, 40.333,
116.999

■ 33, 40.333,
116.999

■ 33, 43.210,
117.189

■ 33, 36.842,
117.012

■ 33, 44.965,
117.214

■ 33, 32.700,
117.251

■ 34, 28.100,
117.644

■ 34, 23.194,
118.131

■ 34, 18.091,
118.671

■ 35, 12.868,
119.234

■ 35, 7.577, 119.800

■ 36, 2.256, 120.361

Harmonies

Complementary

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



33, 40.333, 116.999



11, 49.295, 307.260

Rectangle

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



33, 40.333, 116.999



33, 40.333, 166.999



33, 40.333, 296.999



33, 40.333, 346.999

Sweetspot

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



33, 40.333, 117.001



45, 16.488, 119.143



20, 33.065, 46.006



23, 11.329, 119.022



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, 40.333, 117.001



42, 54.180, 117.651



31, 46.276, 133.758



17, 3.050, 120.105



41, 53.274, 117.616



86, 95.164, 118.486

Inverse Universe

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



11, 49.295, 307.260



12, 69.718, 308.345



16, 47.375, 320.302



16, 3.102, 301.081



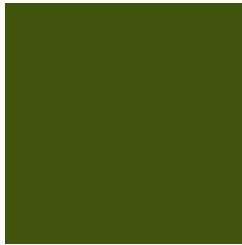
11, 68.544, 308.370



32, 122.777, 307.807

Previews

White Background



This preview shows how the CIELCh color 33, 40.333, 116.999 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

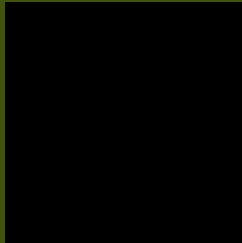
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 40.333, 116.999

Background



This preview shows how black text looks on a background with the CIELCh color 33, 40.333, 116.999.



This preview shows how white text looks on a background with the CIELCh color 33, 40.333, 116.999.

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, 40.333, 116.999

Protanopia

33, 37.602, 96.334

Deuteranopia

33, 34.405, 83.750



Tritanopia
33, 5.003, 261.433

Trichromacy



Original Color
33, 40.333, 116.999

Protanomaly
33, 37.759, 104.304

Deuteranomaly
33, 34.818, 97.986

Tritanomaly
33, 13.907, 127.122

Monochromacy



Original Color
33, 40.333, 116.999

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 16.638, 118.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 40.333, 116.999 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(65, 84, 13)` looks like.

```
.text, #text, p{  
    color:rgb(65, 84, 13)  
}
```

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(65, 84, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 84, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 40.333, 116.999 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(65, 84, 13) }
```

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

```
.border{ border-color:rgb(65, 84, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 84, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 84, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 84, 13);  
box-shadow:4px 4px 4px 4px rgb(65, 84, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 40.333, 116.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 84, 13) }
```

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

```
.background{ background-color: rgb(65, 84,  
13) }
```

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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