

Converting Colors

CIELCh(45, 33.740, 142.005)

Have a look what the booklet for
CIELCh(45, 33.740, 142.005)
contains.

CIELCh(45, 33.343, 142.131)	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(45, 33.343, 142.131)

Conversions

Conversions Part 1

Format	Color
Hex	467547
RGB	70, 117, 71
RGB Percent	27%, 46%, 28%
CMY	0.7246, 0.5403, 0.7208
CMYK	0.40, 0.00, 0.39, 0.54
HSL	121°, 25%, 37%
HSV	121°, 40%, 46%
XYZ	10.0722, 14.5417, 8.2716
YIQ	97.7030, -13.2460, -24.2700

Conversions

Conversions Part 2

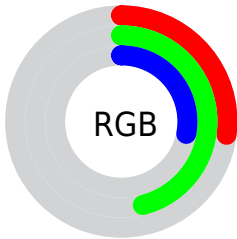
Format	Color
RYB	70, 116, 117
Decimal	4617543
CIELab	45.00, -26.32, 20.47
CIElCh	45, 33.343, 142.131
Yxy	14.5417, 0.3063, 0.4422
Android (android.graphics.Color)	4282807623 (0xFF467547)
YUV	97.7030, -13.1646, -24.2955
Hunter-Lab	38.1336, -19.5866, 13.8328

Details

The CIELCh color **45, 33.343, 142.131** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 33.290, 327.080**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 32.942, 141.989**, and **25, 33.292, 141.789** is the 20% darker color. If you saturate the color by 10%, you get **44, 41.177, 141.136**, and if you desaturate by 10%, it is **46, 25.159, 143.015**.

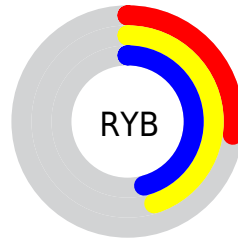
Distribution



Red (27%)

Green (46%)

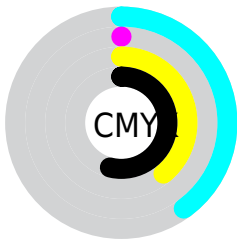
Blue (28%)



Red (27%)

Yellow (45%)

Blue (46%)

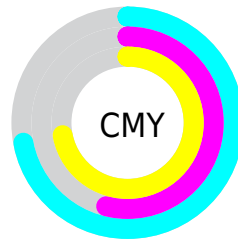


Cyan (40%)

Magenta (0%)

Yellow (39%)

Black (54%)



Cyan (72%)


Magenta (54%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 33.343, 142.131 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 45, 33.343, 142.131 by changing the saturation by 10% instead.


 45, 33.343,
142.131


 45, 33.343,
142.131


 100, 33.343,
142.131


 35, 33.343,
142.131

 65, 33.343,
142.131


 25, 33.343,
142.131

 75, 33.343,
142.131

 15, 33.343,
142.131

 85, 33.343,
142.131

 5, 33.343, 142.131

 95, 33.343,
142.131

 0, 33.343, 142.131

 45, 33.343,

 45, 33.343,

142.131

■ 44, 41.177,
141.136

■ 44, 48.443,
140.051

■ 43, 54.886,
138.926

■ 43, 60.220,
137.850

■ 43, 64.164,
136.944

■ 42, 66.976,
136.309

142.131

■ 46, 25.159,
143.015

■ 47, 16.800,
143.786

■ 48, 8.405, 144.457

■ 49, 0.078, 147.277

■ 51, 8.106, 325.461

■ 52, 16.096,
325.883

■ 54, 23.862,
326.238

■ 55, 31.385,
326.542

■ 57, 38.661,

Harmonies

Complementary

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



45, 33.343, 142.131



37, 33.290, 327.080

Rectangle

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



45, 33.343, 142.131



45, 33.343, 192.131



45, 33.343, 322.131



45, 33.343, 12.131

Sweetspot

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



45, 33.344, 142.131



61, 12.436, 144.316



48, 27.040, 107.262



31, 8.204, 144.255



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 33.344, 142.131



57, 49.131, 141.227



45, 22.907, 160.794



24, 4.682, 144.524



44, 69.105, 136.295



86, 117.622, 136.133

Inverse Universe

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



37, 33.290, 327.080



45, 48.911, 327.511



36, 24.079, 348.392



23, 4.690, 325.457



28, 66.070, 329.056



59, 111.915, 329.103

Previews

White Background



This preview shows how the CIELCh color 45, 33.343, 142.131 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 × Fail

Black Background



This preview shows how the CIELCh color 45, 33.343, 142.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 33.343, 142.131

Background



This preview shows how black text looks on a background with the CIELCh color 45, 33.343, 142.131.



This preview shows how white text looks on a background with the CIELCh color 45, 33.343, 142.131.

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

45, 33.343, 142.131

Protanopia

45, 23.415, 95.391

Deuteranopia

45, 19.692, 73.542



Tritanopia
45, 12.294, 224.387

Trichromacy



Original Color
45, 33.343, 142.131

Protanomaly
45, 24.477, 118.457

Deuteranomaly
45, 20.015, 109.892

Tritanomaly
45, 15.878, 173.074

Monochromacy



Original Color
45, 33.343, 142.131

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.522, 143.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 33.343, 142.131 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(70, 117, 71)` looks like.

```
.text, #text, p{  
    color:rgb(70, 117, 71)  
}
```

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(70, 117, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 117, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 33.343, 142.131 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(70, 117, 71) }
```

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

```
.border{ border-color:rgb(70, 117, 71) }
```

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

Here you see how a box with a 4 pixel rgb(70, 117, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 117, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 117, 71);  
box-shadow:4px 4px 4px 4px rgb(70, 117,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 33.343, 142.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 117, 71) }
```

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

```
.background{ background-color: rgb(70, 117,  
71) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor