

Converting Colors

CIELCh(45, 46.057, 136.501)

Have a look what the booklet for
CIELCh(45, 46.057, 136.501)
contains.

CIELCh(45, 45.494, 136.507)	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, 45.494, 136.507)

Conversions

Conversions Part 1

Format	Color
Hex	3E7733
RGB	62, 119, 51
RGB Percent	24%, 47%, 20%
CMY	0.7557, 0.5321, 0.7989
CMYK	0.48, 0.00, 0.57, 0.53
HSL	110°, 40%, 33%
HSV	110°, 57%, 47%
XYZ	9.2427, 14.5417, 5.4841
YIQ	94.2050, -12.1440, -33.2320

Conversions

Conversions Part 2

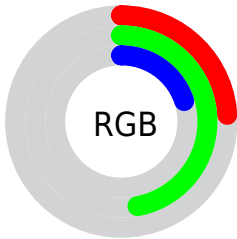
Format	Color
RYB	51, 119, 108
Decimal	4093747
CIELab	45.00, -33.00, 31.31
CIELCh	45, 45.494, 136.507
Yxy	14.5417, 0.3158, 0.4968
Android (android.graphics.Color)	4282283827 (0xFF3E7733)
YUV	94.2050, -21.3001, -28.2438
Hunter-Lab	38.1336, -23.4696, 18.1668

Details

The CIELCh color **45, 45.494, 136.507** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **32, 46.108, 322.238**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 45.828, 136.306**, and **25, 45.632, 136.608** is the 20% darker color. If you saturate the color by 10%, you get **44, 52.316, 135.830**, and if you desaturate by 10%, it is **46, 38.034, 137.219**.

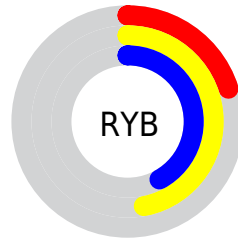
Distribution



 Red (24%)

 Green (47%)

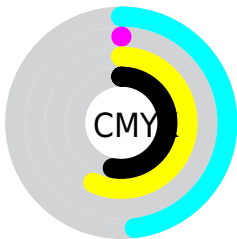
 Blue (20%)




 Red (20%)

 Yellow (47%)

 Blue (42%)

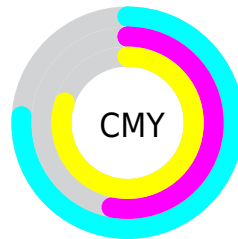


 Cyan (48%)


 Magenta (0%)

 Yellow (57%)

 Black (53%)



 Cyan (76%)


 Magenta (53%)


 Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 45.494, 136.507 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, 45.494, 136.507 by changing the saturation by 10% instead.


 45, 45.494,
136.507


 45, 45.494,
136.507


 100, 45.494,
136.507


 35, 45.494,
136.507

 65, 45.494,
136.507


 25, 45.494,
136.507

 75, 45.494,
136.507

 15, 45.494,
136.507

 85, 45.494,
136.507

 5, 45.494, 136.507

 95, 45.494,
136.507

 0, 45.494, 136.507

 45, 45.494,

 45, 45.494,

136.507

■ 44, 52.316,
135.830

■ 44, 58.209,
135.275

■ 44, 62.853,
134.954

■ 43, 66.204,
134.837

■ 43, 67.137,
134.731

136.507

■ 46, 38.034,
137.219

■ 46, 30.167,
137.909

■ 47, 22.070,
138.548

■ 48, 13.879,
139.125

■ 49, 5.693, 139.645

■ 51, 2.413, 319.996

■ 52, 10.387,
320.423

■ 53, 18.195,
320.756

■ 55, 25.814,
321.038

Harmonies

Complementary

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



45, 45.494, 136.507



32, 46.108, 322.238

Rectangle

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



45, 45.494, 136.507



45, 45.494, 186.507



45, 45.494, 316.507



45, 45.494, 6.507

Sweetspot

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



45, 45.495, 136.508



62, 17.231, 139.102



46, 33.089, 96.060



32, 11.620, 139.016



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 45.495, 136.508



57, 65.462, 135.664



45, 37.487, 150.238



24, 4.510, 139.543



44, 68.403, 134.755



86, 116.662, 135.205

Inverse Universe

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



32, 46.108, 322.238



38, 66.139, 322.514



32, 37.856, 340.250



23, 4.530, 320.304



25, 68.005, 322.261



52, 115.423, 321.947

Previews

White Background



This preview shows how the CIELCh color 45, 45.494, 136.507 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, 45.494, 136.507 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, 45.494, 136.507

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.494, 136.507.



This preview shows how white text looks on a background with the CIELCh color 45, 45.494, 136.507.

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, 45.494, 136.507

Protanopia

45, 34.404, 95.563

Deuteranopia

45, 30.268, 78.734



Tritanopia
45, 13.733, 221.314

Trichromacy



Original Color
45, 45.494, 136.507

Protanomaly
45, 35.793, 114.945

Deuteranomaly
44, 31.182, 108.279

Tritanomaly
45, 20.686, 163.867

Monochromacy



Original Color
45, 45.494, 136.507

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 17.549, 138.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.494, 136.507 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(62, 119, 51)` looks like.

```
.text, #text, p{  
    color:rgb(62, 119, 51)  
}
```

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(62, 119, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 119, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.494, 136.507 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(62, 119, 51) }
```

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

```
.border{ border-color:rgb(62, 119, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 119, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 119, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 119, 51);  
box-shadow:4px 4px 4px 4px rgb(62, 119,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.494, 136.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 119, 51) }
```

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

```
.background{ background-color: rgb(62, 119,  
51) }
```

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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