

Converting Colors

CIELCh(45, 32.217, 140.256)

Have a look what the booklet for
CIELCh(45, 32.217, 140.256)
contains.

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Color

CIELCh(45, 32.460, 140.171)

Conversions

Conversions Part 1

Format	Color
Hex	4A7547
RGB	74, 117, 71
RGB Percent	29%, 46%, 28%
CMY	0.7110, 0.5424, 0.7227
CMYK	0.37, 0.00, 0.39, 0.54
HSL	116°, 25%, 37%
HSV	116°, 39%, 46%
XYZ	10.2512, 14.5417, 8.1774
YIQ	98.8990, -10.8620, -23.4220

Conversions

Conversions Part 2

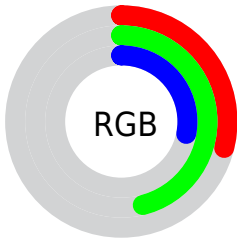
Format	Color
R_{YB}	71, 117, 114
Decimal	4879687
CIE _{Lab}	45.00, -24.93, 20.79
CIE _{LCh}	45, 32.460, 140.171
Yxy	14.5417, 0.3109, 0.4411
Android (android.graphics.Color)	4283069767 (0xFF4A7547)
YUV	98.8990, -13.7542, -21.8364
Hunter-Lab	38.1336, -18.7487, 13.9793

Details

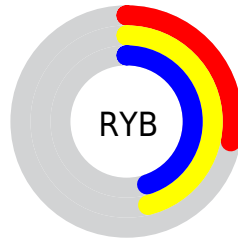
The CIELCh color **45, 32.460, 140.171** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 32.572, 324.545**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 32.090, 139.960**, and **25, 32.347, 139.840** is the 20% darker color. If you saturate the color by 10%, you get **44, 40.289, 139.318**, and if you desaturate by 10%, it is **46, 24.324, 140.945**.

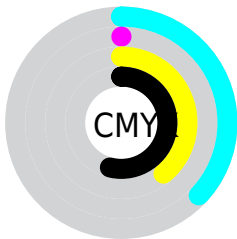
Distribution



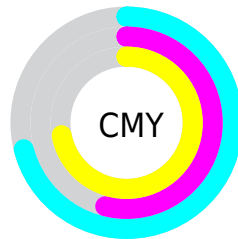
- Red (29%)
- Green (46%)
- Blue (28%)



- Red (28%)
- Yellow (46%)
- Blue (45%)



- Cyan (37%)
- Magenta (0%)
- Yellow (39%)
- Black (54%)





- Cyan (71%)
- Magenta (54%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.460, 140.171 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, 32.460, 140.171 by changing the saturation by 10% instead.


 45, 32.460,
140.171


 45, 32.460,
140.171


 100, 32.460,
140.171


 35, 32.460,
140.171

 65, 32.460,
140.171


 25, 32.460,
140.171

 75, 32.460,
140.171

 15, 32.460,
140.171

 85, 32.460,
140.171

 5, 32.460, 140.171

 95, 32.460,
140.171

 0, 32.460, 140.171

 45, 32.460,

 45, 32.460,

140.171

■ 44, 40.289,
139.318

■ 44, 47.602,
138.413

■ 43, 54.141,
137.514

■ 43, 59.603,
136.715

■ 42, 63.679,
136.136

■ 42, 66.632,
135.595

■ 42, 66.805,
135.552

140.171

■ 46, 24.324,
140.945

■ 47, 16.042,
141.629

■ 48, 7.739, 142.231

■ 49, 0.492, 322.386

■ 51, 8.587, 323.135

■ 52, 16.499,
323.517

■ 53, 24.201,
323.837

■ 55, 31.679,
324.110

■ 57, 38.925,

Harmonies

Complementary

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



45, 32.460, 140.171



37, 32.572, 324.545

Rectangle

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



45, 32.460, 140.171



45, 32.460, 190.171



45, 32.460, 320.171



45, 32.460, 10.171

Sweetspot

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



45, 32.461, 140.171



60, 12.182, 142.064



47, 24.919, 103.503



31, 8.147, 142.007



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, 32.461, 140.171



57, 47.278, 139.428



45, 24.014, 156.719



24, 4.650, 142.252



44, 69.158, 135.577



86, 117.638, 135.819

Inverse Universe

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



37, 32.572, 324.545



44, 47.384, 324.910



36, 24.759, 343.584



23, 4.663, 323.103



27, 67.367, 325.782



56, 114.243, 325.648

Previews

White Background



This preview shows how the CIELCh color 45, 32.460, 140.171 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 CIE LCh color 45, 32.460, 140.171 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, 32.460, 140.171

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.460, 140.171.



This preview shows how white text looks on a background with the CIELCh color 45, 32.460, 140.171.

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, 32.460, 140.171

Protanopia
45, 23.415, 95.391

Deuteranopia
45, 20.198, 74.335



Tritanopia
45, 11.416, 226.644

Trichromacy



Original Color
45, 32.460, 140.171

Protanomaly
45, 24.853, 116.138

Deuteranomaly
44, 20.019, 107.285

Tritanomaly
45, 14.612, 170.986

Monochromacy



Original Color
45, 32.460, 140.171

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 11.542, 141.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.460, 140.171 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(74, 117, 71)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 117, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 117, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.460, 140.171 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(74, 117, 71) }
```

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

```
.border{ border-color:rgb(74, 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(74, 117, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 117, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 117, 71);  
box-shadow:4px 4px 4px 4px rgb(74, 117,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.460, 140.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 117, 71) }
```

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

```
.background{ background-color: rgb(74, 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](#).

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