

Converting Colors

CIELCh(45, 32.438, 143.250)

Have a look what the booklet for
CIELCh(45, 32.438, 143.250)
contains.

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Color

CIELCh(45, 32.396, 143.280)

Conversions

Conversions Part 1

Format	Color
Hex	467549
RGB	70, 117, 73
RGB Percent	27%, 46%, 29%
CMY	0.7250, 0.5407, 0.7133
CMYK	0.40, 0.00, 0.38, 0.54
HSL	124°, 25%, 37%
HSV	124°, 40%, 46%
XYZ	10.1175, 14.5417, 8.5975
YIQ	97.9310, -13.8880, -23.6480

Conversions

Conversions Part 2

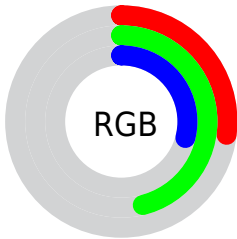
Format	Color
R_{YB}	70, 114, 117
Decimal	4617545
CIE _{Lab}	45.00, -25.97, 19.37
CIE _{LCh}	45, 32.396, 143.280
Yxy	14.5417, 0.3042, 0.4373
Android (android.graphics.Color)	4282807625 (0xFF467549)
YUV	97.9310, -12.2910, -24.4955
Hunter-Lab	38.1336, -19.3747, 13.3261

Details

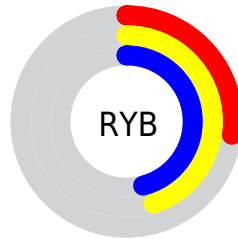
The CIELCh color $45, 32.396, 143.280$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $37, 32.353, 328.350$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 32.033, 143.069$, and $25, 32.348, 142.996$ is the 20% darker color. If you saturate the color by 10%, you get $44, 40.029, 142.261$, and if you desaturate by 10%, it is $46, 24.443, 144.178$.

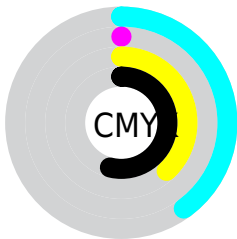
Distribution



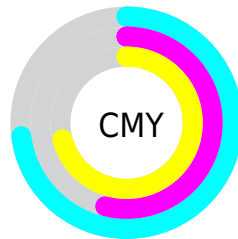
- Red (27%)
- Green (46%)
- Blue (29%)



- Red (27%)
- Yellow (45%)
- Blue (46%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (54%)





- Cyan (73%)
- Magenta (54%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.396, 143.280 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, 32.396, 143.280 by changing the saturation by 10% instead.


 45, 32.396,
143.280


 45, 32.396,
143.280


 100, 32.396,
143.280


 35, 32.396,
143.280

 65, 32.396,
143.280


 25, 32.396,
143.280

 75, 32.396,
143.280

 15, 32.396,
143.280

 85, 32.396,
143.280

 5, 32.396, 143.280

 95, 32.396,
143.280

 0, 32.396, 143.280

 45, 32.396,

 45, 32.396,

143.280

143.280

■ 44, 40.029,
142.261

■ 46, 24.443,
144.178

■ 44, 47.145,
141.133

■ 47, 16.328,
144.960

■ 43, 53.523,
139.932

■ 48, 8.180, 145.641

■ 43, 58.917,
138.726

■ 49, 0.099, 148.052

■ 51, 7.845, 326.661

■ 43, 63.084,
137.620

■ 52, 15.603,
327.095

■ 42, 65.999,
136.892

■ 54, 23.145,
327.463

■ 55, 30.453,
327.779

■ 57, 37.522,

Harmonies

Complementary

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



45, 32.396, 143.280



37, 32.353, 328.350

Rectangle

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



45, 32.396, 143.280



45, 32.396, 193.280



45, 32.396, 323.280



45, 32.396, 13.280

Sweetspot

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



45, 32.397, 143.280



61, 12.076, 145.500



48, 27.062, 108.766



31, 7.966, 145.438



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, 32.397, 143.280



57, 47.762, 142.358



46, 22.293, 162.609



24, 4.547, 145.711



44, 68.182, 136.850



86, 116.884, 136.392

Inverse Universe

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



37, 32.353, 328.350



45, 47.539, 328.815



36, 23.654, 350.431



23, 4.555, 326.659



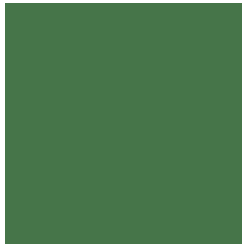
28, 63.969, 330.840



58, 108.162, 330.995

Previews

White Background



This preview shows how the CIELCh color 45, 32.396, 143.280 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, 32.396, 143.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

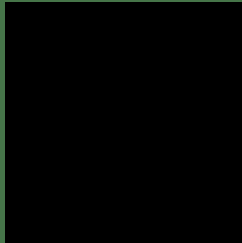
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 32.396, 143.280

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.396, 143.280.



This preview shows how white text looks on a background with the CIELCh color 45, 32.396, 143.280.

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, 32.396, 143.280

Protanopia

45, 22.191, 96.200

Deuteranopia

45, 18.692, 71.811



Tritanopia
45, 12.294, 224.387

Trichromacy



Original Color
45, 32.396, 143.280

Protanomaly
45, 23.922, 118.785

Deuteranomaly
45, 18.863, 110.204

Tritanomaly
45, 15.581, 175.005

Monochromacy



Original Color
45, 32.396, 143.280

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.027, 145.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.396, 143.280 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(70, 117, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 117, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.396, 143.280 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, 73) }
```

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

```
.border{ border-color:rgb(70, 117, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(70, 117,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.396, 143.280 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, 73) }
```

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

```
.background{ background-color: rgb(70, 117,  
73) }
```

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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