

Converting Colors

CIELCh(45, 35.243, 148.541)

Have a look what the booklet for
CIELCh(45, 35.243, 148.541)
contains.

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Color

CIELCh(45, 35.215, 148.575)

Conversions

Conversions Part 1

Format	Color
Hex	3B774B
RGB	59, 119, 75
RGB Percent	23%, 47%, 29%
CMY	0.7699, 0.5346, 0.7070
CMYK	0.51, 0.00, 0.37, 0.53
HSL	136°, 34%, 35%
HSV	136°, 51%, 47%
XYZ	9.6036, 14.5417, 8.9045
YIQ	96.0440, -21.6360, -26.4040

Conversions

Conversions Part 2

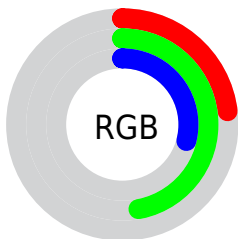
Format	Color
R_{YB}	59, 106, 119
Decimal	3897163
CIE _{Lab}	45.00, -30.05, 18.36
CIE _{LCh}	45, 35.215, 148.575
Yxy	14.5417, 0.2906, 0.4400
Android (android.graphics.Color)	4282087243 (0xFF3B774B)
YUV	96.0440, -10.3747, -32.4876
Hunter-Lab	38.1336, -21.7804, 12.8489

Details

The CIELCh color $45, 35.215, 148.575$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $34, 35.384, 336.534$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 35.534, 148.578$, and $25, 35.413, 148.359$ is the 20% darker color. If you saturate the color by 10%, you get $44, 41.505, 147.285$, and if you desaturate by 10%, it is $46, 28.544, 149.707$.

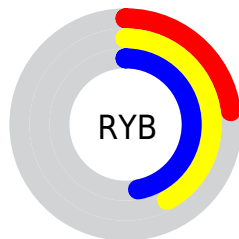
Distribution



Red (23%)

Green (47%)

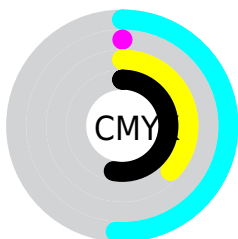
Blue (29%)



Red (23%)

Yellow (42%)

Blue (47%)

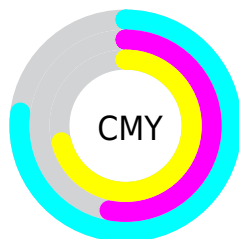


Cyan (51%)

Magenta (0%)

Yellow (37%)

Black (53%)



Cyan (77%)


Magenta (53%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.215, 148.575 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, 35.215, 148.575 by changing the saturation by 10% instead.


 45, 35.215,
148.575


 45, 35.215,
148.575


 100, 35.215,
148.575


 35, 35.215,
148.575


 65, 35.215,
148.575


 25, 35.215,
148.575


 75, 35.215,
148.575

 15, 35.215,
148.575

 85, 35.215,
148.575

 5, 35.215, 148.575

 95, 35.215,
148.575

 0, 35.215, 148.575

 45, 35.215,

 45, 35.215,

148.575

■ 44, 41.505,
147.285

■ 44, 47.284,
145.832

■ 44, 52.433,
144.225

■ 43, 56.858,
142.499

■ 43, 60.474,
140.987

148.575

■ 46, 28.544,
149.707

■ 47, 21.618,
150.697

■ 48, 14.553,
151.562

■ 49, 7.448, 152.327

■ 50, 0.384, 153.537

■ 51, 6.578, 333.499

■ 53, 13.396,
334.029

■ 54, 20.039,
334.491

■ 56, 26.490,

Harmonies

Complementary

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



45, 35.215, 148.575



34, 35.384, 336.534

Rectangle

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



45, 35.215, 148.575



45, 35.215, 198.575



45, 35.215, 328.575



45, 35.215, 18.575

Sweetspot

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



45, 35.216, 148.575



62, 13.237, 151.967



47, 34.816, 117.667



32, 9.106, 151.836



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, 35.216, 148.575



57, 51.968, 147.006



46, 23.279, 175.787



24, 3.930, 152.438



44, 61.922, 140.919



86, 107.689, 139.825

Inverse Universe

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



34, 35.384, 336.534



41, 51.659, 337.563



33, 28.045, 7.290



23, 3.947, 333.520



26, 55.146, 341.888



56, 92.587, 342.875

Previews

White Background



This preview shows how the CIELCh color 45, 35.215, 148.575 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, 35.215, 148.575 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, 35.215, 148.575

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.215, 148.575.



This preview shows how white text looks on a background with the CIELCh color 45, 35.215, 148.575.

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, 35.215, 148.575

Protanopia

45, 22.191, 96.200

Deuteranopia

45, 17.413, 71.026



Tritanopia
45, 15.683, 218.082

Trichromacy



Original Color
45, 35.215, 148.575

Protanomaly
45, 24.480, 123.772

Deuteranomaly
44, 18.552, 117.211

Tritanomaly
45, 19.193, 179.024

Monochromacy



Original Color
45, 35.215, 148.575

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 13.379, 151.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.215, 148.575 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(59, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(59, 119, 75)  
}
```

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(59, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 119, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.215, 148.575 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(59, 119, 75) }
```

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

```
.border{ border-color:rgb(59, 119, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(59, 119,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.215, 148.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 119, 75) }
```

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

```
.background{ background-color: rgb(59, 119,  
75) }
```

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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