

Converting Colors

CIELCh(45, 47.651, 141.777)

Have a look what the booklet for
CIELCh(45, 47.651, 141.777)
contains.

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Color

CIELCh(45, 47.525, 141.949)

Conversions

Conversions Part 1

Format	Color
Hex	307937
RGB	48, 121, 55
RGB Percent	19%, 47%, 22%
CMY	0.8123, 0.5260, 0.7848
CMYK	0.60, 0.00, 0.55, 0.53
HSL	126°, 43%, 33%
HSV	126°, 60%, 47%
XYZ	8.7198, 14.5417, 5.9463
YIQ	91.6490, -22.3220, -36.0020

Conversions

Conversions Part 2

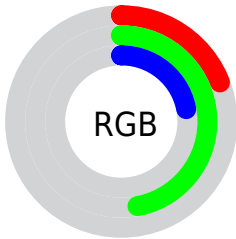
Format	Color
RYB	48, 115, 121
Decimal	3176759
CIELab	45.00, -37.42, 29.29
CIELCh	45, 47.525, 141.949
Yxy	14.5417, 0.2985, 0.4979
Android (android.graphics.Color)	4281366839 (0xFF307937)
YUV	91.6490, -18.0680, -38.2802
Hunter-Lab	38.1336, -25.9171, 17.4482




Details

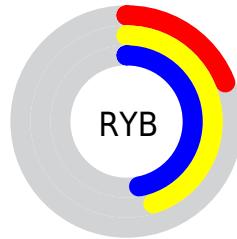
The CIELCh color **45, 47.525, 141.949** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **33, 46.933, 330.466**, and the grayscale version is **39, 0.006, 296.813**.




A 20% lighter version of the original color is **65, 47.197, 142.042**, and **25, 44.802, 138.588** is the 20% darker color. If you saturate the color by 10%, you get **45, 53.963, 140.689**, and if you desaturate by 10%, it is **46, 40.374, 143.116**.

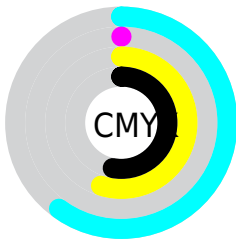
Distribution







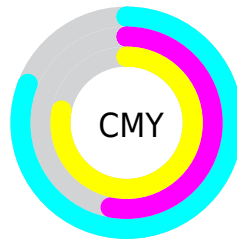
-  Red (19%)
-  Green (47%)
-  Blue (22%)






-  Red (19%)
-  Yellow (45%)
-  Blue (47%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (55%)
-  Black (53%)





-  Cyan (81%)
-  Magenta (53%)
-  Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 47.525, 141.949 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, 47.525, 141.949 by changing the saturation by 10% instead.


 45, 47.525,
141.949


 45, 47.525,
141.949


 100, 47.525,
141.949


 35, 47.525,
141.949

 65, 47.525,
141.949


 25, 47.525,
141.949

 75, 47.525,
141.949

 15, 47.525,
141.949

 85, 47.525,
141.949

 5, 47.525, 141.949

 95, 47.525,
141.949

 0, 47.525, 141.949

 45, 47.525,

 45, 47.525,

141.949

141.949

■ 45, 53.963,
140.689

■ 46, 40.374,
143.116

■ 44, 59.462,
139.393

■ 46, 32.718,
144.161

■ 44, 63.800,
138.155

■ 47, 24.742,
145.079

■ 44, 66.855,
137.290

■ 48, 16.604,
145.876

■ 49, 8.432, 146.571

■ 51, 0.322, 147.739

■ 52, 7.652, 327.615

■ 54, 15.443,
328.063

■ 55, 23.017,

Harmonies

Complementary

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



45, 47.525, 141.949



33, 46.933, 330.466

Rectangle

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



45, 47.525, 141.949



45, 47.525, 191.949



45, 47.525, 321.949



45, 47.525, 11.949

Sweetspot

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



45, 47.525, 141.949



62, 18.236, 146.019



49, 40.539, 108.827



32, 12.610, 145.843



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, 47.525, 141.949



57, 67.995, 140.248



46, 32.108, 161.829



25, 4.606, 146.658



45, 68.539, 137.247



87, 116.979, 136.675

Inverse Universe

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



33, 46.933, 330.466



40, 66.027, 331.128



31, 35.299, 355.886



24, 4.616, 327.630



28, 63.335, 332.322



58, 106.198, 332.566

Previews

White Background



This preview shows how the CIELCh color 45, 47.525, 141.949 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, 47.525, 141.949 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, 47.525, 141.949

Background



This preview shows how black text looks on a background with the CIELCh color 45, 47.525, 141.949.



This preview shows how white text looks on a background with the CIELCh color 45, 47.525, 141.949.

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, 47.525, 141.949

Protanopia

45, 32.766, 96.202

Deuteranopia

45, 27.971, 77.963



Tritanopia
45, 17.271, 215.983

Trichromacy



Original Color
45, 47.525, 141.949

Protanomaly
44, 34.903, 119.893

Deuteranomaly
44, 29.311, 114.164

Tritanomaly
45, 23.830, 169.874

Monochromacy



Original Color
45, 47.525, 141.949

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 17.805, 146.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 47.525, 141.949 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(48, 121, 55)` looks like.

```
.text, #text, p{  
    color:rgb(48, 121, 55)  
}
```

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(48, 121, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 121, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 47.525, 141.949 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(48, 121, 55) }
```

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

```
.border{ border-color:rgb(48, 121, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 121, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 121, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 121, 55);  
box-shadow:4px 4px 4px 4px rgb(48, 121,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 47.525, 141.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 121, 55) }
```

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

```
.background{ background-color: rgb(48, 121,  
55) }
```

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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