

Converting Colors

CIELCh(45, 16.606, 123.070)

Have a look what the booklet for
CIELCh(45, 16.606, 123.070)
contains.

CIELCh(45, 16.530, 123.207)	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, 16.530, 123.207)

Conversions

Conversions Part 1

Format	Color
Hex	646E53
RGB	100, 110, 83
RGB Percent	39%, 43%, 33%
CMY	0.6071, 0.5679, 0.6738
CMYK	0.09, 0.00, 0.25, 0.57
HSL	82°, 14%, 38%
HSV	82°, 25%, 43%
XYZ	12.4424, 14.5417, 10.3724
YIQ	103.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

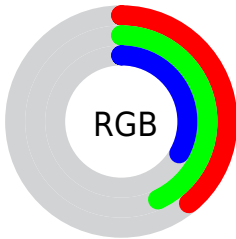
Format	Color
R_{YB}	83, 110, 93
Decimal	6581843
CIE Lab	45.00, -9.05, 13.83
CIE LCh	45, 16.530, 123.207
Yxy	14.5417, 0.3331, 0.3893
Android (android.graphics.Color)	4284771923 (0xFF646E53)
YUV	103.9320, -10.3195, -3.4484
Hunter-Lab	38.1336, -8.4920, 10.5666

Details

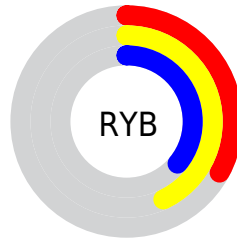
The CIELCh color $45, 16.530, 123.207$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 17.221, 305.747$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.603, 123.850$, and $25, 16.141, 122.830$ is the 20% darker color. If you saturate the color by 10%, you get $44, 23.178, 122.704$, and if you desaturate by 10%, it is $46, 9.802, 123.717$.

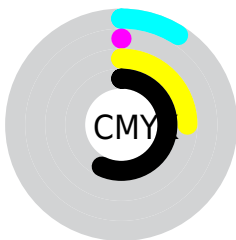
Distribution



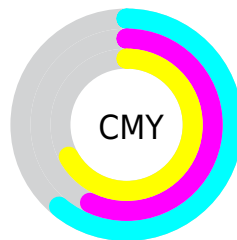
- Red (39%)
- Green (43%)
- Blue (33%)



- Red (33%)
- Yellow (43%)
- Blue (36%)



- Cyan (9%)
- Magenta (0%)
- Yellow (25%)
- Black (57%)





- Cyan (61%)
- Magenta (57%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 16.530, 123.207 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, 16.530, 123.207 by changing the saturation by 10% instead.


 45, 16.530,
123.207


 45, 16.530,
123.207


 100, 16.530,
123.207


 35, 16.530,
123.207

 65, 16.530,
123.207


 25, 16.530,
123.207

 75, 16.530,
123.207

 15, 16.530,
123.207


 85, 16.530,
123.207

 5, 16.530, 123.207

 95, 16.530,
123.207

 0, 16.530, 123.207

 45, 16.530,

 45, 16.530,

123.207

123.207

■ 44, 23.178,
122.704

■ 46, 9.802, 123.717

■ 44, 29.666,
122.224

■ 46, 3.043, 124.219

■ 47, 3.710, 304.660

■ 44, 35.888,
121.806

■ 48, 10.430,
305.109

■ 43, 41.687,
121.504

■ 48, 17.096,
305.521

■ 43, 46.849,
121.395

■ 49, 23.694,
305.902

■ 42, 51.111,
121.577

■ 50, 30.214,
306.252

■ 42, 54.321,
122.104

■ 51, 36.649,
306.572

■ 42, 56.021,
122.362

■ 52, 42.993,

Harmonies

Complementary

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



45, 16.530, 123.207



37, 17.221, 305.747

Rectangle

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



45, 16.530, 123.207



45, 16.530, 173.207



45, 16.530, 303.207



45, 16.530, 353.207

Sweetspot

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



45, 16.531, 123.209



59, 5.845, 124.084



41, 9.764, 57.727



30, 3.772, 124.066



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 16.531, 123.209



57, 24.146, 122.942



44, 18.929, 139.499



23, 3.855, 123.992



46, 59.540, 122.506



89, 102.364, 123.390

Inverse Universe

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



37, 17.221, 305.747



46, 25.399, 306.079



39, 19.060, 321.847



21, 3.916, 304.859



15, 73.011, 309.753



36, 125.543, 309.175

Previews

White Background



This preview shows how the CIE LCh color 45, 16.530, 123.207 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, 16.530, 123.207 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, 16.530, 123.207

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.530, 123.207.



This preview shows how white text looks on a background with the CIELCh color 45, 16.530, 123.207.

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, 16.530, 123.207

Protanopia

45, 15.244, 94.415

Deuteranopia

45, 14.265, 64.822



Tritanopia
45, 4.787, 286.098

Trichromacy



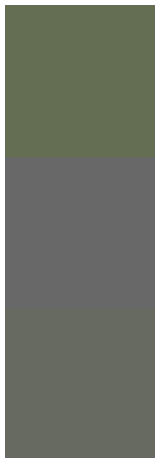
Original Color
45, 16.530, 123.207

Protanomaly
45, 15.354, 106.326

Deuteranomaly
45, 13.260, 88.715

Tritanomaly
45, 3.637, 144.241

Monochromacy



Original Color
45, 16.530, 123.207

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.098, 121.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.530, 123.207 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(100, 110, 83)` looks like.

```
.text, #text, p{  
    color:rgb(100, 110, 83)  
}
```

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(100, 110, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 110, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.530, 123.207 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(100, 110, 83) }
```

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

```
.border{ border-color:rgb(100, 110, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 110, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 110, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 110, 83);  
box-shadow:4px 4px 4px 4px rgb(100, 110,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.530, 123.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 110, 83) }
```

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

```
.background{ background-color: rgb(100,  
110, 83) }
```

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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