

Converting Colors

CIELCh(45, 15.878, 173.074)

Have a look what the booklet for
CIELCh(45, 15.878, 173.074)
contains.

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Color

CIELCh(45, 15.861, 173.101)

Conversions

Conversions Part 1

Format	Color
Hex	4D7267
RGB	77, 114, 103
RGB Percent	30%, 45%, 40%
CMY	0.6987, 0.5536, 0.5967
CMYK	0.33, 0.00, 0.10, 0.55
HSL	162°, 19%, 37%
HSV	162°, 33%, 45%
XYZ	11.4840, 14.5417, 14.9885
YIQ	101.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

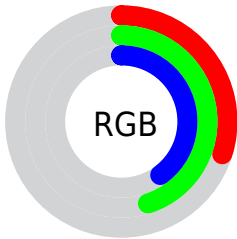
Format	Color
RYB	77, 99, 114
Decimal	5075559
CIELab	45.00, -15.75, 1.91
CIElCh	45, 15.861, 173.101
Yxy	14.5417, 0.2800, 0.3546
Android (android.graphics.Color)	4283265639 (0xFF4D7267)
YUV	101.6830, 0.6493, -21.6470
Hunter-Lab	38.1336, -12.9781, 3.3895

Details

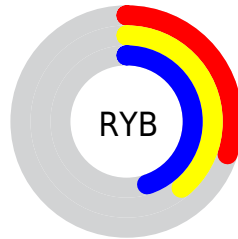
The CIELCh color $45, 15.861, 173.101$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 17.397, 359.590$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 15.923, 173.222$, and $25, 16.021, 172.429$ is the 20% darker color. If you saturate the color by 10%, you get $44, 20.328, 171.985$, and if you desaturate by 10%, it is $46, 11.147, 174.129$.

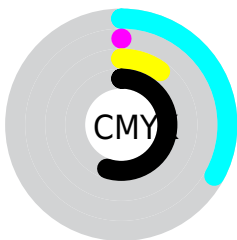
Distribution



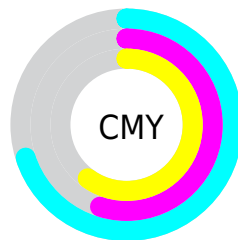
- Red (30%)
- Green (45%)
- Blue (40%)



- Red (30%)
- Yellow (39%)
- Blue (45%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (55%)





- Cyan (70%)
- Magenta (55%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.861, 173.101 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, 15.861, 173.101 by changing the saturation by 10% instead.


 45, 15.861,
173.101


 45, 15.861,
173.101


 100, 15.861,
173.101


 35, 15.861,
173.101

 65, 15.861,
173.101


 25, 15.861,
173.101

 75, 15.861,
173.101

 15, 15.861,
173.101


 85, 15.861,
173.101

 5, 15.861, 173.101

 95, 15.861,
173.101

 0, 15.861, 173.101

 45, 15.861,

 45, 15.861,

173.101

173.101

■ 44, 20.328,
171.985

■ 46, 11.147,
174.129

■ 44, 24.468,
170.766

■ 47, 6.256, 175.098

■ 43, 28.210,
169.421

■ 48, 1.257, 176.186

■ 49, 3.793, 356.686

■ 43, 31.497,
167.930

■ 50, 8.848, 357.525

■ 42, 34.292,
166.271

■ 51, 13.871,
358.291

■ 42, 36.599,
164.435

■ 53, 18.834,
359.017

■ 42, 38.212,
163.090

■ 54, 23.718,
359.710

■ 55, 28.508, 0.374

Harmonies

Complementary

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



45, 15.861, 173.101



37, 17.397, 359.590

Rectangle

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



45, 15.861, 173.101



45, 15.861, 223.101



45, 15.861, 353.101



45, 15.861, 43.101

Sweetspot

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



45, 15.862, 173.099



60, 6.212, 175.313



45, 24.461, 134.254



31, 4.208, 175.211



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 15.862, 173.099



57, 23.246, 172.271



43, 11.626, 220.932



23, 2.788, 175.436



44, 39.724, 162.960



87, 69.259, 161.644

Inverse Universe

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



37, 17.397, 359.590



45, 26.077, 0.675



39, 14.404, 39.232



22, 2.859, 356.888



24, 49.655, 18.994



52, 86.351, 22.498

Previews

White Background



This preview shows how the CIELCh color 45, 15.861, 173.101 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, 15.861, 173.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

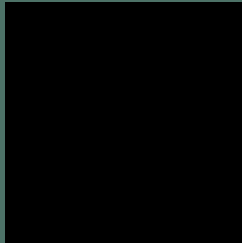
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 15.861, 173.101

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.861, 173.101.



This preview shows how white text looks on a background with the CIELCh color 45, 15.861, 173.101.

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, 15.861, 173.101

Protanopia

45, 5.040, 89.815

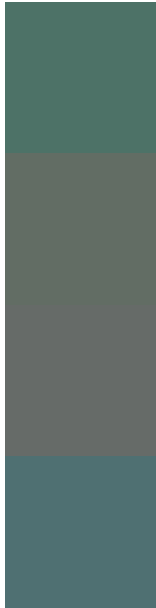
Deuteranopia

45, 5.983, 8.677



Tritanopia
45, 12.002, 225.098

Trichromacy



Original Color
45, 15.861, 173.101

Protanomaly
45, 7.064, 149.316

Deuteranomaly
45, 2.736, 158.389

Tritanomaly
45, 12.283, 203.675

Monochromacy



Original Color
45, 15.861, 173.101

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 5.826, 174.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 15.861, 173.101 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(77, 114, 103)` looks like.

```
.text, #text, p{  
    color:rgb(77, 114, 103)  
}
```

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(77, 114, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 114, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.861, 173.101 is called "border". The border property can be set on classes, ids or directly on the HTML element.

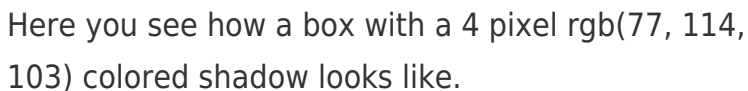
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 114, 103) }
```

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

```
.border{ border-color:rgb(77, 114, 103) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 114, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 114, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 114, 103); box-shadow:4px 4px 4px 4px rgb(77, 114, 103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.861, 173.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 114, 103) }
```

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

```
.background{ background-color: rgb(77, 114,  
103) }
```

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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