

Converting Colors

CIELCh(45, 15.029, 197.778)

Have a look what the booklet for
CIELCh(45, 15.029, 197.778)
contains.

CIELCh(45, 15.252, 197.714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 15.252, 197.714)

Conversions

Conversions Part 1

Format	Color
Hex	487272
RGB	72, 114, 114
RGB Percent	28%, 45%, 45%
CMY	0.7188, 0.5541, 0.5541
CMYK	0.37, 0.00, 0.00, 0.55
HSL	180°, 23%, 36%
HSV	180°, 37%, 45%
XYZ	11.6545, 14.5417, 18.0232
YIQ	101.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

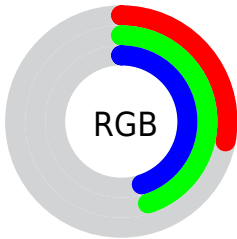
Format	Color
RYB	72, 93, 114
Decimal	4747890
CIELab	45.00, -14.53, -4.64
CIElCh	45, 15.252, 197.714
Yxy	14.5417, 0.2636, 0.3289
Android (android.graphics.Color)	4282937970 (0xFF487272)
YUV	101.4420, 6.1911, -25.8206
Hunter-Lab	38.1336, -12.1800, -1.3289

Details

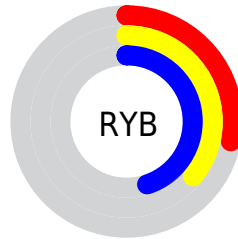
The CIELCh color **45, 15.252, 197.714** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 19.470, 22.570**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 15.142, 198.132**, and **25, 15.271, 196.956** is the 20% darker color. If you saturate the color by 10%, you get **44, 18.540, 197.350**, and if you desaturate by 10%, it is **46, 11.546, 198.127**.

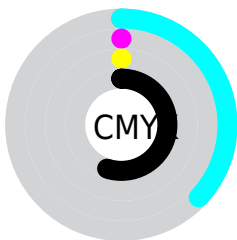
Distribution



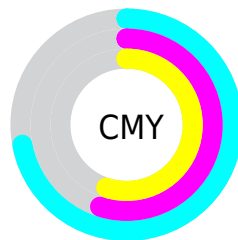
- Red (28%)
- Green (45%)
- Blue (45%)



- Red (28%)
- Yellow (36%)
- Blue (45%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (55%)





- Cyan (72%)
- Magenta (55%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.252, 197.714 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, 15.252, 197.714 by changing the saturation by 10% instead.


 45, 15.252,
197.714


 45, 15.252,
197.714


 100, 15.252,
197.714


 35, 15.252,
197.714

 65, 15.252,
197.714


 25, 15.252,
197.714

 75, 15.252,
197.714

 15, 15.252,
197.714


 85, 15.252,
197.714

 5, 15.252, 197.714

 95, 15.252,
197.714

 0, 15.252, 197.714

 45, 15.252,

 45, 15.252,

197.714

197.714

■ 44, 18.540,
197.350

■ 46, 11.546,
198.127

■ 44, 21.352,
197.046

■ 46, 7.488, 198.599

■ 44, 23.644,
196.802

■ 47, 3.144, 199.160

■ 48, 1.421, 19.313

■ 43, 25.393,
196.618

■ 49, 6.150, 20.063

■ 43, 26.602,
196.491

■ 50, 10.991, 20.660

■ 52, 15.905, 21.256

■ 43, 27.387,
196.410

■ 53, 20.854, 21.854

■ 43, 27.616,
196.386

■ 54, 25.813, 22.453

Harmonies

Complementary

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



45, 15.252, 197.714



35, 19.470, 22.570

Rectangle

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



45, 15.252, 197.714



45, 15.252, 247.714



45, 15.252, 17.714



45, 15.252, 67.714

Sweetspot

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



45, 15.252, 197.711



60, 6.125, 198.896



44, 30.288, 141.508



31, 4.079, 198.842



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, 15.252, 197.711



57, 21.745, 197.410



39, 14.391, 259.301



23, 2.511, 199.029



45, 28.675, 196.386



89, 48.972, 196.386

Inverse Universe

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



35, 19.470, 22.570



43, 29.543, 23.781



41, 16.052, 69.326



22, 2.649, 19.858



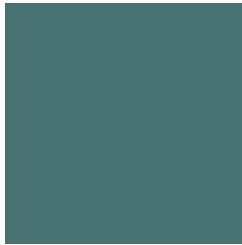
24, 58.001, 37.790



52, 102.190, 40.000

Previews

White Background



This preview shows how the CIELCh color 45, 15.252, 197.714 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, 15.252, 197.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

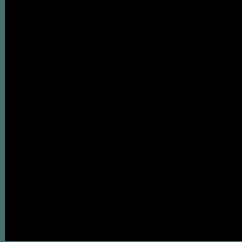
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 15.252, 197.714

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.252, 197.714.



This preview shows how white text looks on a background with the CIELCh color 45, 15.252, 197.714.

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, 15.252, 197.714

Protanopia

45, 2.539, 309.189

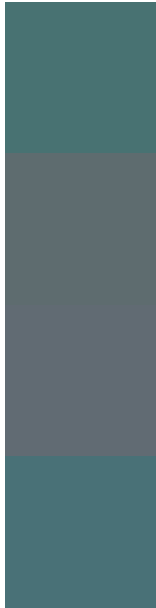
Deuteranopia

45, 8.607, 315.921



Tritanopia
45, 14.455, 222.659

Trichromacy



Original Color
45, 15.252, 197.714

Protanomaly
45, 5.733, 217.144

Deuteranomaly
45, 6.084, 251.121

Tritanomaly
45, 14.569, 212.246

Monochromacy



Original Color
45, 15.252, 197.714

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.335, 198.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 15.252, 197.714 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(72, 114, 114)` looks like.

```
.text, #text, p{  
    color:rgb(72, 114, 114)  
}
```

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(72, 114, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 114, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.252, 197.714 is called "border". The border property can be set on classes, ids or directly on the HTML element.

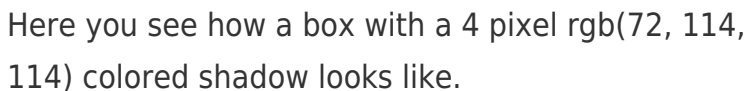
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 114, 114) }
```

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

```
.border{ border-color:rgb(72, 114, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 114, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 114, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 114, 114); box-shadow:4px 4px 4px 4px rgb(72, 114, 114) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.252, 197.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 114, 114) }
```

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

```
.background{ background-color: rgb(72, 114,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor