

Converting Colors

CIELCh(45, 17.489, 229.790)

Have a look what the booklet for
CIELCh(45, 17.489, 229.790)
contains.

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Color

CIELCh(45, 17.439, 229.118)

Conversions

Conversions Part 1

Format	Color
Hex	437180
RGB	67, 113, 128
RGB Percent	26%, 44%, 50%
CMY	0.7375, 0.5571, 0.4983
CMYK	0.48, 0.12, 0.00, 0.50
HSL	195°, 31%, 38%
HSV	195°, 48%, 50%
XYZ	12.0985, 14.5417, 22.5661
YIQ	100.9560, -32.2310, -5.0870

Conversions

Conversions Part 2

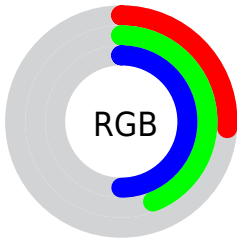
Format	Color
RYB	67, 93, 128
Decimal	4419968
CIELab	45.00, -11.41, -13.18
CIElCh	45, 17.439, 229.118
Yxy	14.5417, 0.2459, 0.2955
Android (android.graphics.Color)	4282610048 (0xFF437180)
YUV	100.9560, 13.3327, -29.7794
Hunter-Lab	38.1336, -10.1018, -8.3921

Details

The CIELCh color $45, 17.439, 229.118$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 24.132, 43.891$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.432, 229.196$, and $25, 17.493, 229.544$ is the 20% darker color. If you saturate the color by 10%, you get $43, 20.143, 230.847$, and if you desaturate by 10%, it is $47, 14.340, 227.765$.

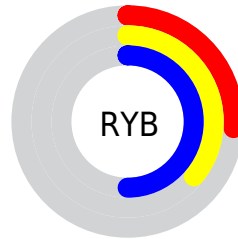
Distribution



Red (26%)

Green (44%)

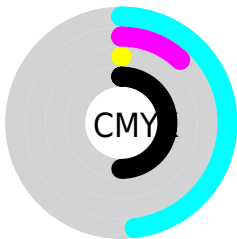
Blue (50%)



Red (26%)

Yellow (36%)

Blue (50%)

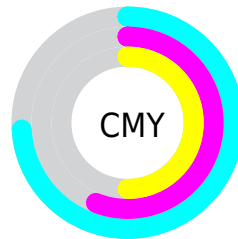


Cyan (48%)

Magenta (12%)

Yellow (0%)

Black (50%)



Cyan (74%)


Magenta (56%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 17.439, 229.118 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, 17.439, 229.118 by changing the saturation by 10% instead.


 45, 17.439,
229.118


 45, 17.439,
229.118


 100, 17.439,
229.118


 35, 17.439,
229.118

 65, 17.439,
229.118


 25, 17.439,
229.118

 75, 17.439,
229.118

 15, 17.439,
229.118

 85, 17.439,
229.118

 5, 17.439, 229.118

 95, 17.439,
229.118

 0, 17.439, 229.118

 45, 17.439,

 45, 17.439,

229.118

■ 43, 20.143,
230.847

■ 42, 22.418,
233.037

■ 41, 24.255,
235.769

■ 39, 25.680,
239.111

■ 38, 26.828,
242.952

■ 38, 27.104,
243.821

229.118

■ 47, 14.340,
227.765

■ 48, 10.897,
226.724

■ 50, 7.161, 225.937

■ 52, 3.187, 225.394

■ 54, 0.979, 44.430

■ 56, 5.291, 44.413

■ 58, 9.715, 44.206

■ 60, 14.220, 44.053

■ 62, 18.780, 43.952

Harmonies

Complementary

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



45, 17.439, 229.118



40, 24.132, 43.891

Rectangle

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



45, 17.439, 229.118



45, 17.439, 279.118



45, 17.439, 49.118



45, 17.439, 99.118

Sweetspot

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



45, 17.439, 229.116



65, 7.068, 225.725



49, 36.354, 147.683



33, 4.895, 225.839



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 17.439, 229.116



56, 24.523, 230.971



36, 28.016, 283.858



26, 2.324, 225.452



38, 27.036, 243.804



0, 0.000, 0.000

Inverse Universe

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



37, 36.152, 335.423



45, 52.160, 336.269



48, 27.140, 90.312



25, 4.297, 332.716



28, 57.570, 340.582



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 17.439, 229.118 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, 17.439, 229.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

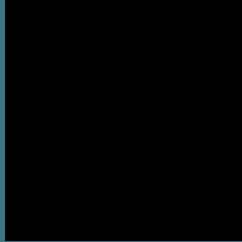
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.439, 229.118

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.439, 229.118.



This preview shows how white text looks on a background with the CIELCh color 45, 17.439, 229.118.

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, 17.439, 229.118

Protanopia

45, 10.769, 287.621

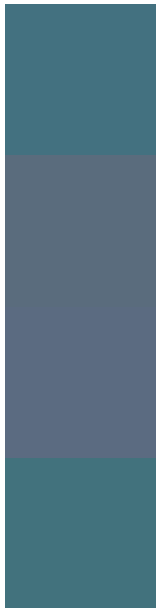
Deuteranopia

45, 15.546, 292.336



Tritanopia
45, 17.271, 215.983

Trichromacy



Original Color
45, 17.439, 229.118

Protanomaly
45, 11.907, 257.913

Deuteranomaly
45, 14.164, 267.910

Tritanomaly
45, 17.232, 220.367

Monochromacy



Original Color
45, 17.439, 229.118

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.072, 229.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.439, 229.118 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(67, 113, 128)` looks like.

```
.text, #text, p{  
    color:rgb(67, 113, 128)  
}
```

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(67, 113, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 113, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.439, 229.118 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(67, 113, 128) }
```

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

```
.border{ border-color:rgb(67, 113, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 113, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 113, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 113, 128);  
box-shadow:4px 4px 4px 4px rgb(67, 113,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.439, 229.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 113, 128) }
```

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

```
.background{ background-color: rgb(67, 113,  
128) }
```

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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