

Converting Colors

CIELCh(45, 13.066, 225.643)

Have a look what the booklet for
CIELCh(45, 13.066, 225.643)
contains.

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Color

CIELCh(45, 13.059, 225.616)

Conversions

Conversions Part 1

Format	Color
Hex	4F707A
RGB	79, 112, 122
RGB Percent	31%, 44%, 48%
CMY	0.6917, 0.5623, 0.5231
CMYK	0.35, 0.08, 0.00, 0.52
HSL	194°, 21%, 39%
HSV	194°, 35%, 48%
XYZ	12.4304, 14.5417, 20.4337
YIQ	103.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

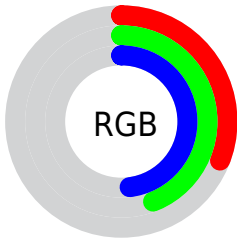
Format	Color
R_{YB}	79, 98, 122
Decimal	5206138
CIE _{Lab}	45.00, -9.13, -9.33
CIE _{LCh}	45, 13.059, 225.616
Yxy	14.5417, 0.2622, 0.3067
Android (android.graphics.Color)	4283396218 (0xFF4F707A)
YUV	103.2730, 9.2324, -21.2874
Hunter-Lab	38.1336, -8.5480, -5.0767

Details

The CIELCh color $45, 13.059, 225.616$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 16.449, 42.524$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.934, 224.097$, and $25, 12.939, 225.265$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.110, 226.777$, and if you desaturate by 10%, it is $47, 9.680, 224.727$.

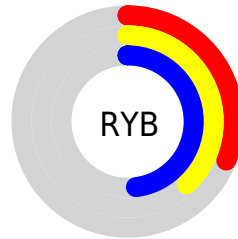
Distribution



Red (31%)

Green (44%)

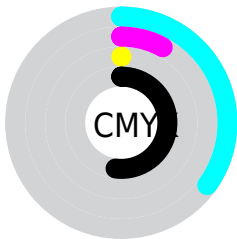
Blue (48%)



Red (31%)

Yellow (38%)

Blue (48%)

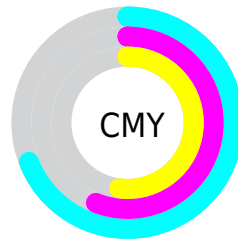


Cyan (35%)

Magenta (8%)

Yellow (0%)

Black (52%)



Cyan (69%)


Magenta (56%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.059, 225.616 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, 13.059, 225.616 by changing the saturation by 10% instead.


 45, 13.059,
225.616


 45, 13.059,
225.616


 100, 13.059,
225.616


 35, 13.059,
225.616

 65, 13.059,
225.616


 25, 13.059,
225.616

 75, 13.059,
225.616

 15, 13.059,
225.616


 85, 13.059,
225.616

 5, 13.059, 225.616

 95, 13.059,
225.616

 0, 13.059, 225.616

 45, 13.059,

 45, 13.059,

225.616

■ 43, 16.110,
226.777

■ 42, 18.785,
228.284

■ 41, 21.043,
230.207

■ 39, 22.866,
232.626

■ 38, 24.263,
235.617

■ 37, 25.317,
239.169

■ 37, 25.805,
240.813

225.616

■ 47, 9.680, 224.727

■ 48, 6.027, 224.074

■ 50, 2.152, 223.683

■ 52, 1.901, 42.952

■ 54, 6.089, 42.829

■ 56, 10.379, 42.682

■ 58, 14.743, 42.586

■ 60, 19.156, 42.537

■ 62, 23.601, 42.524

Harmonies

Complementary

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



45, 13.059, 225.616



41, 16.449, 42.524

Rectangle

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



45, 13.059, 225.616



45, 13.059, 275.616



45, 13.059, 45.616



45, 13.059, 95.616

Sweetspot

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



45, 13.059, 225.612



63, 5.408, 223.872



47, 26.450, 148.442



32, 3.604, 223.920



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, 13.059, 225.612



56, 18.674, 226.478



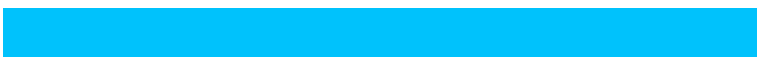
39, 19.215, 280.149



25, 2.257, 223.782



38, 26.327, 240.947



73, 44.795, 243.515

Inverse Universe

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



39, 26.295, 333.962



48, 38.473, 334.507



47, 18.965, 90.671



24, 4.193, 332.210



27, 57.288, 339.709



57, 95.604, 340.492

Previews

White Background



This preview shows how the CIE LCh color 45, 13.059, 225.616 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, 13.059, 225.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

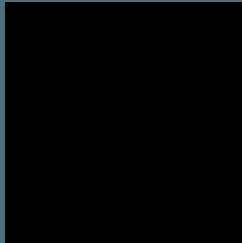
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.059, 225.616

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.059, 225.616.

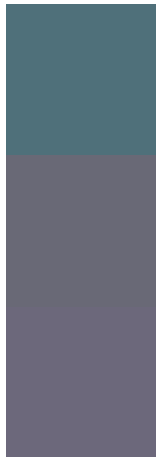


This preview shows how white text looks on a background with the CIELCh color 45, 13.059, 225.616.

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, 13.059, 225.616

Protanopia

45, 7.771, 291.273

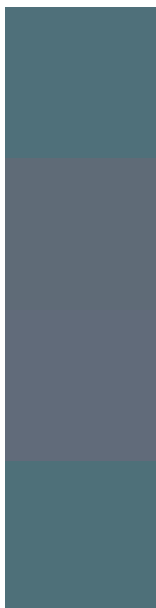
Deuteranopia

45, 11.493, 299.473



Tritanopia
45, 13.159, 222.443

Trichromacy



Original Color
45, 13.059, 225.616

Protanomaly
45, 8.389, 258.174

Deuteranomaly
45, 9.620, 268.280

Tritanomaly
45, 13.159, 222.443

Monochromacy



Original Color
45, 13.059, 225.616

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.243, 226.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.059, 225.616 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(79, 112, 122)` looks like.

```
.text, #text, p{  
    color:rgb(79, 112, 122)  
}
```

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(79, 112, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 112, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.059, 225.616 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(79, 112, 122) }
```

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

```
.border{ border-color:rgb(79, 112, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 112, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 112, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 112, 122);  
box-shadow:4px 4px 4px 4px rgb(79, 112,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.059, 225.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 112, 122) }
```

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

```
.background{ background-color: rgb(79, 112,  
122) }
```

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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