

Converting Colors

CIELCh(45, 13.936, 241.872)

Have a look what the booklet for
CIELCh(45, 13.936, 241.872)
contains.

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Color

CIELCh(45, 13.970, 241.922)

Conversions

Conversions Part 1

Format	Color
Hex	516F7F
RGB	81, 111, 127
RGB Percent	32%, 44%, 50%
CMY	0.6838, 0.5662, 0.5035
CMYK	0.36, 0.13, 0.00, 0.50
HSL	201°, 22%, 41%
HSV	201°, 36%, 50%
XYZ	12.8102, 14.5417, 22.0782
YIQ	103.8540, -23.0160, -1.3840

Conversions

Conversions Part 2

Format	Color
R_{YB}	81, 99, 127
Decimal	5336959
CIE _{Lab}	45.00, -6.58, -12.33
CIE _{LCh}	45, 13.970, 241.922
Yxy	14.5417, 0.2592, 0.2942
Android (android.graphics.Color)	4283527039 (0xFF516F7F)
YUV	103.8540, 11.4110, -20.0430
Hunter-Lab	38.1336, -6.7702, -7.6337

Details

The CIELCh color $45, 13.970, 241.922$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $44, 16.917, 54.709$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.998, 241.395$, and $25, 13.992, 243.561$ is the 20% darker color. If you saturate the color by 10%, you get $43, 17.331, 243.838$, and if you desaturate by 10%, it is $47, 10.367, 240.364$.

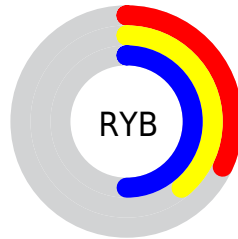
Distribution



Red (32%)

Green (44%)

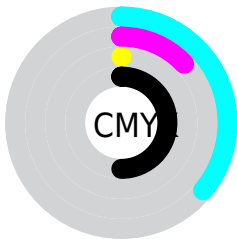
Blue (50%)



Red (32%)

Yellow (39%)

Blue (50%)

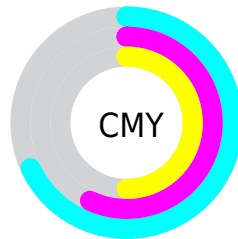


Cyan (36%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (68%)


Magenta (57%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.970, 241.922 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, 13.970, 241.922 by changing the saturation by 10% instead.


 45, 13.970,
241.922


 45, 13.970,
241.922


 100, 13.970,
241.922


 35, 13.970,
241.922

 65, 13.970,
241.922


 25, 13.970,
241.922

 75, 13.970,
241.922

 15, 13.970,
241.922

 85, 13.970,
241.922

 5, 13.970, 241.922

 95, 13.970,
241.922

 0, 13.970, 241.922

 45, 13.970,

 45, 13.970,

241.922

241.922

■ 43, 17.331,
243.838

■ 47, 10.367,
240.364

■ 41, 20.421,
246.195

■ 49, 6.560, 239.113

■ 39, 23.224,
249.064

■ 52, 2.586, 238.161

■ 54, 1.521, 56.960

■ 37, 25.749,
252.509

■ 56, 5.729, 56.435

■ 35, 28.039,
256.557

■ 59, 10.011, 55.892

■ 61, 14.345, 55.431

■ 34, 30.202,
261.072

■ 63, 18.712, 55.044

■ 33, 31.031,
262.656

■ 66, 23.097, 54.718

Harmonies

Complementary

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



45, 13.970, 241.922



44, 16.917, 54.709

Rectangle

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



45, 13.970, 241.922



45, 13.970, 291.922



45, 13.970, 61.922



45, 13.970, 111.922

Sweetspot

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



45, 13.970, 241.919



65, 5.562, 238.587



49, 25.682, 152.670



34, 3.759, 238.697



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, 13.970, 241.919



56, 20.595, 243.574



38, 23.601, 287.347



26, 2.308, 238.387



33, 31.201, 262.696



0, 0.000, 0.000

Inverse Universe

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



40, 25.816, 339.016



49, 38.703, 339.809



50, 22.408, 98.366



25, 3.996, 336.865



27, 53.991, 347.704



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 45, 13.970, 241.922 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, 13.970, 241.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

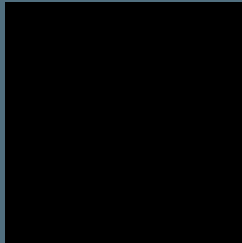
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.970, 241.922

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.970, 241.922.



This preview shows how white text looks on a background with the CIELCh color 45, 13.970, 241.922.

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, 13.970, 241.922

Protanopia

45, 10.769, 287.621

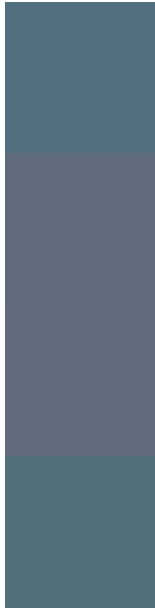
Deuteranopia

45, 14.384, 295.168



Tritanopia
45, 12.869, 223.050

Trichromacy



Original Color
45, 13.970, 241.922

Protanomaly
45, 10.966, 267.493

Deuteranomaly
45, 12.884, 276.940

Tritanomaly
45, 12.983, 232.089

Monochromacy



Original Color
45, 13.970, 241.922

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.537, 239.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.970, 241.922 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(81, 111, 127)` looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 127)  
}
```

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(81, 111, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.970, 241.922 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(81, 111, 127) }
```

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

```
.border{ border-color:rgb(81, 111, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 111, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 127);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.970, 241.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 127) }
```

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

```
.background{ background-color: rgb(81, 111,  
127) }
```

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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