

Converting Colors

CIELCh(43, 17.957, 241.060)

Have a look what the booklet for
CIELCh(43, 17.957, 241.060)
contains.

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Color

CIELCh(43, 17.938, 240.730)

Conversions

Conversions Part 1

Format	Color
Hex	416B7F
RGB	65, 107, 127
RGB Percent	25%, 42%, 50%
CMY	0.7453, 0.5806, 0.5022
CMYK	0.49, 0.16, 0.00, 0.50
HSL	199°, 32%, 38%
HSV	199°, 49%, 50%
XYZ	11.2563, 13.1578, 22.0071
YIQ	96.7220, -31.4520, -2.6840

Conversions

Conversions Part 2

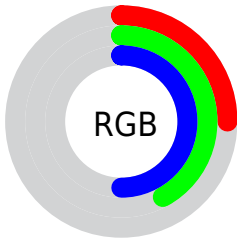
Format	Color
RYB	65, 90, 127
Decimal	4287359
CIELab	43.00, -8.77, -15.65
CIElCh	43, 17.938, 240.730
Yxy	13.1578, 0.2425, 0.2834
Android (android.graphics.Color)	4282477439 (0xFF416B7F)
YUV	96.7220, 14.9271, -27.8202
Hunter-Lab	36.2736, -8.0875, -10.5795

Details

The CIELCh color $43, 17.938, 240.730$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 23.953, 51.392$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 17.969, 242.084$, and $23, 17.891, 240.278$ is the 20% darker color. If you saturate the color by 10%, you get $41, 20.839, 243.071$, and if you desaturate by 10%, it is $45, 14.727, 238.834$.

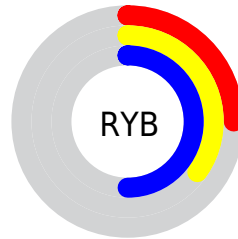
Distribution



Red (25%)

Green (42%)

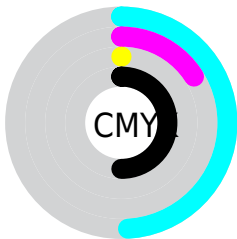
Blue (50%)



Red (25%)

Yellow (35%)

Blue (50%)

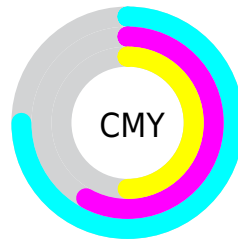


Cyan (49%)

Magenta (16%)

Yellow (0%)

Black (50%)



Cyan (75%)


Magenta (58%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 17.938, 240.730 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 43, 17.938, 240.730 by changing the saturation by 10% instead.


 43, 17.938,
240.730


 43, 17.938,
240.730


 100, 17.938,
240.730


 33, 17.938,
240.730

 63, 17.938,
240.730


 23, 17.938,
240.730

 73, 17.938,
240.730

 13, 17.938,
240.730


 83, 17.938,
240.730

 3, 17.938, 240.730

 93, 17.938,
240.730

 0, 17.938, 240.730

 43, 17.938,

 43, 17.938,

240.730

■ 41, 20.839,
243.071

■ 39, 23.416,
245.942

■ 38, 25.678,
249.406

■ 36, 27.676,
253.494

■ 35, 29.570,
257.925

■ 34, 29.800,
258.414

240.730

■ 45, 14.727,
238.834

■ 47, 11.239,
237.313

■ 49, 7.516, 236.100

■ 51, 3.597, 235.163

■ 53, 0.478, 53.531

■ 56, 4.673, 53.554

■ 58, 8.959, 53.071

■ 60, 13.309, 52.663

■ 63, 17.704, 52.327

Harmonies

Complementary

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



43, 17.938, 240.730



40, 23.953, 51.392

Rectangle

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



43, 17.938, 240.730



43, 17.938, 290.730



43, 17.938, 60.730



43, 17.938, 110.730

Sweetspot

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



43, 17.937, 240.728



64, 7.498, 235.742



48, 34.647, 150.596



33, 5.137, 235.920



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



43, 17.937, 240.728



53, 25.831, 243.485



34, 31.813, 288.944



26, 2.301, 235.184



35, 29.900, 258.438



0, 0.000, 0.000

Inverse Universe

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



37, 34.917, 338.955



44, 51.074, 340.100



49, 29.608, 95.903



25, 4.068, 335.783



27, 54.782, 345.828



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 43, 17.938, 240.730 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 43, 17.938, 240.730 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 43, 17.938, 240.730

Background



This preview shows how black text looks on a background with the CIELCh color 43, 17.938, 240.730.

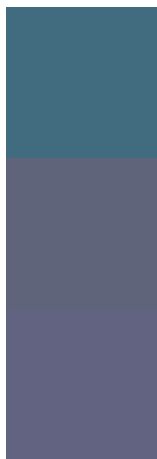


This preview shows how white text looks on a background with the CIELCh color 43, 17.938, 240.730.

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


43, 17.938, 240.730

Protanopia

43, 13.307, 285.615

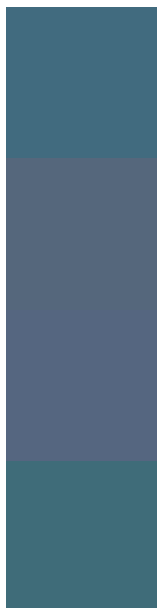
Deuteranopia

43, 18.083, 290.452



Tritanopia
43, 16.656, 214.633

Trichromacy



Original Color
43, 17.938, 240.730

Protanomaly
43, 13.990, 264.271

Deuteranomaly
43, 16.555, 271.062

Tritanomaly
43, 16.796, 225.899

Monochromacy



Original Color
43, 17.938, 240.730

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 7.394, 233.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 17.938, 240.730 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(65, 107, 127)` looks like.

```
.text, #text, p{  
    color:rgb(65, 107, 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(65, 107, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 107, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 17.938, 240.730 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(65, 107, 127) }
```

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

```
.border{ border-color:rgb(65, 107, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 107, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 107, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 107, 127);  
box-shadow:4px 4px 4px 4px rgb(65, 107,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 17.938, 240.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 107, 127) }
```

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

```
.background{ background-color: rgb(65, 107,  
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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