

Converting Colors

CIELCh(43, 16.043, 232.573)

Have a look what the booklet for
CIELCh(43, 16.043, 232.573)
contains.

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Color

CIELCh(43, 16.047, 232.644)

Conversions

Conversions Part 1

Format	Color
Hex	436B7A
RGB	67, 107, 122
RGB Percent	26%, 42%, 48%
CMY	0.7366, 0.5797, 0.5209
CMYK	0.45, 0.12, 0.00, 0.52
HSL	196°, 29%, 37%
HSV	196°, 45%, 48%
XYZ	11.1239, 13.1578, 20.4199
YIQ	96.7500, -28.6550, -3.8150

Conversions

Conversions Part 2

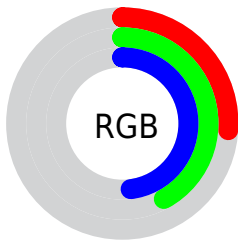
Format	Color
R_{YB}	67, 90, 122
Decimal	4418426
CIE _{Lab}	43.00, -9.74, -12.76
CIE _{LCh}	43, 16.047, 232.644
Yxy	13.1578, 0.2488, 0.2943
Android (android.graphics.Color)	4282608506 (0xFF436B7A)
YUV	96.7500, 12.4482, -26.0907
Hunter-Lab	36.2736, -8.7389, -7.9853

Details

The CIELCh color $43, 16.047, 232.644$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 21.440, 46.515$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 15.964, 232.788$, and $23, 15.897, 230.909$ is the 20% darker color. If you saturate the color by 10%, you get $41, 18.821, 234.456$, and if you desaturate by 10%, it is $45, 12.932, 231.209$.

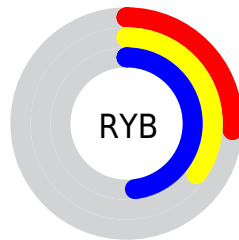
Distribution



Red (26%)

Green (42%)

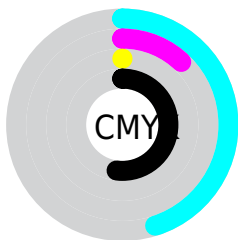
Blue (48%)



Red (26%)

Yellow (35%)

Blue (48%)

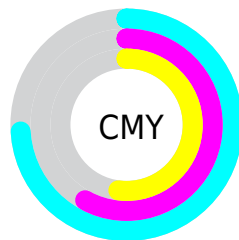


Cyan (45%)

Magenta (12%)

Yellow (0%)

Black (52%)



Cyan (74%)


Magenta (58%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 16.047, 232.644 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, 16.047, 232.644 by changing the saturation by 10% instead.


 43, 16.047,
232.644


 43, 16.047,
232.644


 100, 16.047,
232.644


 33, 16.047,
232.644

 63, 16.047,
232.644


 23, 16.047,
232.644

 73, 16.047,
232.644

 13, 16.047,
232.644

 83, 16.047,
232.644

 3, 16.047, 232.644

 93, 16.047,
232.644

 0, 16.047, 232.644

 43, 16.047,

 43, 16.047,

232.644

232.644

■ 41, 18.821,
234.456

■ 45, 12.932,
231.209

■ 40, 21.224,
236.731

■ 47, 9.522, 230.087

■ 38, 23.242,
239.548

■ 48, 5.864, 229.227

■ 37, 24.895,
242.975

■ 50, 2.003, 228.657

■ 36, 26.265,
246.988

■ 52, 2.017, 47.766

■ 35, 26.958,
248.960

■ 54, 6.161, 47.477

■ 56, 10.396, 47.188

■ 58, 14.698, 46.963

■ 61, 19.044, 46.792

Harmonies

Complementary

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



43, 16.047, 232.644



39, 21.440, 46.515

Rectangle

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



43, 16.047, 232.644



43, 16.047, 282.644



43, 16.047, 52.644



43, 16.047, 102.644

Sweetspot

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



43, 16.047, 232.642



62, 6.760, 229.177



47, 32.327, 149.191



31, 4.622, 229.308



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



43, 16.047, 232.642



53, 22.784, 234.512



35, 26.497, 285.290



25, 2.232, 228.836



36, 27.418, 249.082



70, 47.031, 251.907

Inverse Universe

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



36, 32.421, 336.348



44, 47.122, 337.200



46, 25.372, 93.062



24, 4.074, 333.748



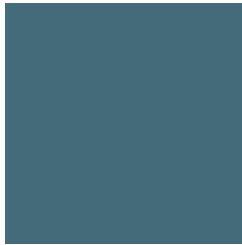
27, 55.736, 342.304



56, 92.930, 343.295

Previews

White Background



This preview shows how the CIE LCh color 43, 16.047, 232.644 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, 16.047, 232.644 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, 16.047, 232.644

Background



This preview shows how black text looks on a background with the CIELCh color 43, 16.047, 232.644.



This preview shows how white text looks on a background with the CIELCh color 43, 16.047, 232.644.

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, 16.047, 232.644

Protanopia

43, 10.861, 287.699

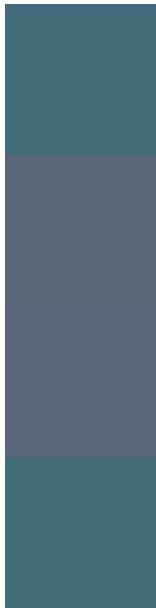
Deuteranopia

43, 15.088, 293.766



Tritanopia
43, 15.417, 218.610

Trichromacy



Original Color
43, 16.047, 232.644

Protanomaly
43, 11.639, 261.061

Deuteranomaly
43, 13.477, 269.645

Tritanomaly
43, 15.699, 223.070

Monochromacy



Original Color
43, 16.047, 232.644

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 6.527, 226.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 16.047, 232.644 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, 107, 122)` looks like.

```
.text, #text, p{  
    color:rgb(67, 107, 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(67, 107, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 107, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 16.047, 232.644 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, 107, 122) }
```

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

```
.border{ border-color:rgb(67, 107, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 107, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 107, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 107, 122);  
box-shadow:4px 4px 4px 4px rgb(67, 107,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 16.047, 232.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 107, 122) }
```

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

```
.background{ background-color: rgb(67, 107,  
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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