

Converting Colors

CIELCh(42, 17.329, 174.839)

Have a look what the booklet for
CIELCh(42, 17.329, 174.839)
contains.

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Color

CIELCh(42, 17.218, 174.576)

Conversions

Conversions Part 1

Format	Color
Hex	426B60
RGB	66, 107, 96
RGB Percent	26%, 42%, 38%
CMY	0.7414, 0.5807, 0.6238
CMYK	0.38, 0.00, 0.10, 0.58
HSL	164°, 24%, 34%
HSV	164°, 38%, 42%
XYZ	9.6008, 12.5000, 12.9566
YIQ	93.4870, -20.9050, -12.1130

Conversions

Conversions Part 2

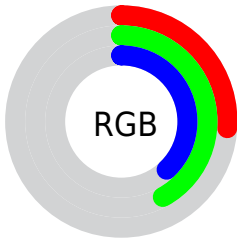
Format	Color
RYB	66, 90, 107
Decimal	4352864
CIELab	42.00, -17.14, 1.63
CIElCh	42, 17.218, 174.576
Yxy	12.5000, 0.2739, 0.3566
Android (android.graphics.Color)	4282542944 (0xFF426B60)
YUV	93.4870, 1.2389, -24.1061
Hunter-Lab	35.3553, -13.3998, 3.0209

Details

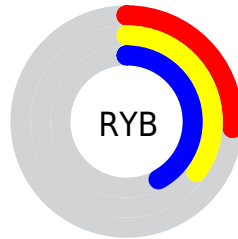
The CIELCh color **42, 17.218, 174.576** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 19.442, 2.474**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 17.544, 173.228**, and **22, 16.936, 175.401** is the 20% darker color. If you saturate the color by 10%, you get **41, 21.173, 173.438**, and if you desaturate by 10%, it is **43, 12.977, 175.623**.

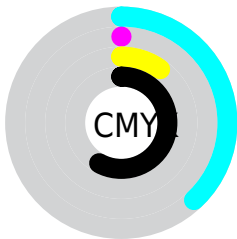
Distribution



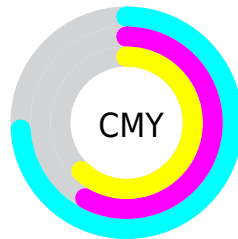
- Red (26%)
- Green (42%)
- Blue (38%)



- Red (26%)
- Yellow (35%)
- Blue (42%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (58%)





- Cyan (74%)
- Magenta (58%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 17.218, 174.576 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 42, 17.218, 174.576 by changing the saturation by 10% instead.


 42, 17.218,
174.576


 42, 17.218,
174.576


 100, 17.218,
174.576


 32, 17.218,
174.576

 62, 17.218,
174.576


 22, 17.218,
174.576

 72, 17.218,
174.576

 12, 17.218,
174.576


 82, 17.218,
174.576

 2, 17.218, 174.576

 92, 17.218,
174.576

 0, 17.218, 174.576

 42, 17.218,

 42, 17.218,

174.576

174.576

■ 41, 21.173,
173.438

■ 43, 12.977,
175.623

■ 41, 24.772,
172.196

■ 44, 8.520, 176.604

■ 40, 27.955,
170.828

■ 44, 3.912, 177.555

■ 45, 0.787, 357.939

■ 40, 30.680,
169.311

■ 46, 5.527, 359.089

■ 40, 32.933,
167.629

■ 48, 10.267,
359.890

■ 40, 34.876,
165.887

■ 49, 14.976, 0.642

■ 50, 19.630, 1.361

■ 40, 35.202,
165.616

■ 51, 24.212, 2.050

Harmonies

Complementary

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



42, 17.218, 174.576



33, 19.442, 2.474

Rectangle

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



42, 17.218, 174.576



42, 17.218, 224.576



42, 17.218, 354.576



42, 17.218, 44.576

Sweetspot

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



42, 17.219, 174.574



57, 7.008, 177.173



42, 27.493, 134.459



29, 4.681, 177.088



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 17.219, 174.574



54, 25.243, 173.561



40, 12.682, 223.666



22, 2.638, 177.494



43, 37.723, 165.383



86, 66.184, 164.071

Inverse Universe

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



33, 19.442, 2.474



40, 29.367, 3.949



35, 16.343, 40.956



21, 2.711, 358.924



23, 49.482, 21.397



52, 87.054, 25.017

Previews

White Background



This preview shows how the CIELCh color 42, 17.218, 174.576 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 42, 17.218, 174.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

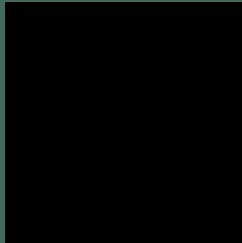
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 17.218, 174.576

Background



This preview shows how black text looks on a background with the CIELCh color 42, 17.218, 174.576.



This preview shows how white text looks on a background with the CIELCh color 42, 17.218, 174.576.

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
42, 17.218, 174.576

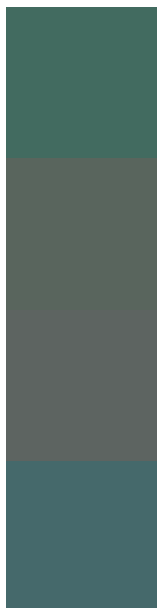
Protanopia
42, 4.546, 87.322

Deuteranopia
42, 5.220, 6.729



Tritanopia
42, 13.207, 222.642

Trichromacy



Original Color
42, 17.218, 174.576

Protanomaly
42, 6.994, 154.882

Deuteranomaly
42, 3.434, 167.196

Tritanomaly
42, 13.309, 203.126

Monochromacy



Original Color
42, 17.218, 174.576

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 6.635, 177.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 17.218, 174.576 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(66, 107, 96)` looks like.

```
.text, #text, p{  
    color:rgb(66, 107, 96)  
}
```

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(66, 107, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 107, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 17.218, 174.576 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(66, 107, 96) }
```

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

```
.border{ border-color:rgb(66, 107, 96) }
```

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

Here you see how a box with a 4 pixel rgb(66, 107, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 107, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 107, 96);  
box-shadow:4px 4px 4px 4px rgb(66, 107,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 17.218, 174.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 107, 96) }
```

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

```
.background{ background-color: rgb(66, 107,  
96) }
```

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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