

Converting Colors

CIELCh(42, 16.453, 166.290)

Have a look what the booklet for
CIELCh(42, 16.453, 166.290)
contains.

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Color

CIELCh(42, 16.398, 166.365)

Conversions

Conversions Part 1

Format	Color
Hex	476A5C
RGB	71, 106, 92
RGB Percent	28%, 42%, 36%
CMY	0.7204, 0.5831, 0.6380
CMYK	0.33, 0.00, 0.13, 0.58
HSL	156°, 20%, 35%
HSV	156°, 33%, 42%
XYZ	9.7506, 12.5000, 12.0922
YIQ	93.9390, -16.3660, -11.7740

Conversions

Conversions Part 2

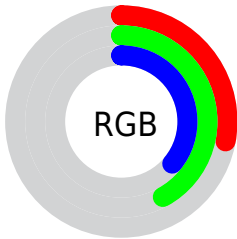
Format	Color
RYB	71, 93, 106
Decimal	4680284
CIELab	42.00, -15.94, 3.87
CIELCh	42, 16.398, 166.365
Yxy	12.5000, 0.2839, 0.3640
Android (android.graphics.Color)	4282870364 (0xFF476A5C)
YUV	93.9390, -0.9559, -20.1175
Hunter-Lab	35.3553, -12.6434, 4.4704

Details

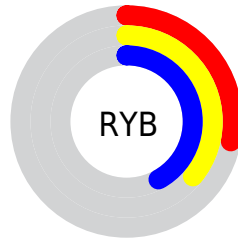
The CIELCh color $42, 16.398, 166.365$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $35, 17.435, 352.636$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 16.054, 166.316$, and $22, 16.751, 165.100$ is the 20% darker color. If you saturate the color by 10%, you get $41, 21.068, 165.231$, and if you desaturate by 10%, it is $43, 11.532, 167.394$.

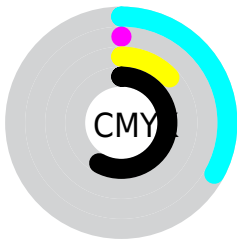
Distribution



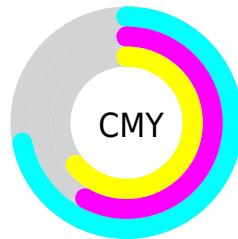
- Red (28%)
- Green (42%)
- Blue (36%)



- Red (28%)
- Yellow (36%)
- Blue (42%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (58%)





- Cyan (72%)
- Magenta (58%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.398, 166.365 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, 16.398, 166.365 by changing the saturation by 10% instead.

 42, 16.398,
166.365


 42, 16.398,
166.365


 100, 16.398,
166.365


 32, 16.398,
166.365

 62, 16.398,
166.365


 22, 16.398,
166.365

 72, 16.398,
166.365


 12, 16.398,
166.365


 82, 16.398,
166.365

 2, 16.398, 166.365

 92, 16.398,
166.365

 0, 16.398, 166.365

 42, 16.398,

 42, 16.398,

166.365

166.365

■ 41, 21.068,
165.231

■ 43, 11.532,
167.394

■ 41, 25.465,
163.974

■ 44, 6.540, 168.346

■ 40, 29.516,
162.573

■ 45, 1.484, 169.351

■ 46, 3.581, 349.882

■ 40, 33.158,
161.006

■ 47, 8.615, 350.672

■ 40, 36.350,
159.256

■ 48, 13.585,
351.382

■ 39, 39.095,
157.331

■ 49, 18.467,
352.046

■ 39, 40.955,
156.040

■ 51, 23.245,
352.673

■ 52, 27.910,
353.269

Harmonies

Complementary

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



42, 16.398, 166.365



35, 17.435, 352.636

Rectangle

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



42, 16.398, 166.365



42, 16.398, 216.365



42, 16.398, 346.365



42, 16.398, 36.365

Sweetspot

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



42, 16.399, 166.363



56, 6.256, 168.593



42, 22.651, 130.509



28, 4.235, 168.499



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 16.399, 166.363



53, 24.347, 165.448



41, 12.053, 206.519



22, 2.861, 168.714



43, 44.140, 155.765



86, 77.994, 154.326

Inverse Universe

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



35, 17.435, 352.636



42, 26.271, 353.694



35, 15.033, 28.506



21, 2.911, 350.108



24, 47.632, 9.381



52, 82.392, 12.678

Previews

White Background



This preview shows how the CIE LCh color 42, 16.398, 166.365 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 42, 16.398, 166.365 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, 16.398, 166.365

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.398, 166.365.



This preview shows how white text looks on a background with the CIELCh color 42, 16.398, 166.365.

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, 16.398, 166.365

Protanopia

42, 6.398, 89.396

Deuteranopia

42, 6.429, 20.207



Tritanopia
42, 11.268, 223.883

Trichromacy



Original Color
42, 16.398, 166.365

Protanomaly
42, 7.899, 141.452

Deuteranomaly
42, 3.280, 132.317

Tritanomaly
42, 11.759, 198.026

Monochromacy



Original Color
42, 16.398, 166.365

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 5.857, 167.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.398, 166.365 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(71, 106, 92)` looks like.

```
.text, #text, p{  
    color:rgb(71, 106, 92)  
}
```

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(71, 106, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 106, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.398, 166.365 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(71, 106, 92) }
```

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

```
.border{ border-color:rgb(71, 106, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 106, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 106, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 106, 92);  
box-shadow:4px 4px 4px 4px rgb(71, 106,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.398, 166.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 106, 92) }
```

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

```
.background{ background-color: rgb(71, 106,  
92) }
```

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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