

Converting Colors

CIELCh(42, 16.232, 168.602)

Have a look what the booklet for
CIELCh(42, 16.232, 168.602)
contains.

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Color

CIELCh(42, 16.043, 168.131)

Conversions

| Conversions Part 1 | |
|--------------------|-----------------------------|
| Format | Color |
| Hex | 476A5D |
| RGB | 71, 106, 93 |
| RGB Percent | 28%, 42%, 36% |
| CMY | 0.7207, 0.5834, 0.6344 |
| CMYK | 0.33, 0.00, 0.12, 0.58 |
| HSL | 158°, 20%, 35% |
| HSV | 158°, 33%, 42% |
| XYZ | 9.7801, 12.5000, 12.3071 |
| YIQ | 94.0530, -16.6870, -11.4630 |

Conversions

Conversions Part 2

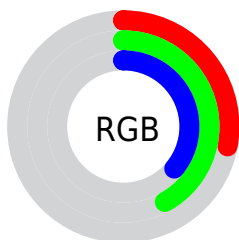
| Format | Color |
|-------------------------------------|--|
| RYB | 71, 92, 106 |
| Decimal | 4680285 |
| CIELab | 42.00, -15.70, 3.30 |
| CIELCh | 42, 16.043, 168.131 |
| Yxy | 12.5000, 0.2828, 0.3614 |
| Android (android.graphics.Color) | 4282870365 (0xFF476A5D) |
| YUV | 94.0530, -0.5191, -20.2175 |
| Hunter-Lab | 35.3553, -12.4944, 4.1101 |

Details

The CIELCh color `42, 16.043, 168.131` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `35, 17.195, 354.509`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 15.730, 167.995`, and `22, 16.332, 166.979` is the 20% darker color. If you saturate the color by 10%, you get `41, 20.581, 166.997`, and if you desaturate by 10%, it is `43, 11.300, 169.163`.

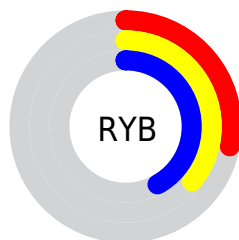
Distribution



Red (28%)

Green (42%)

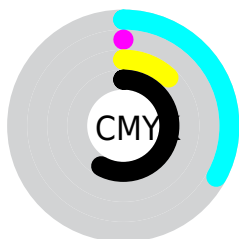
Blue (36%)



Red (28%)

Yellow (36%)

Blue (42%)

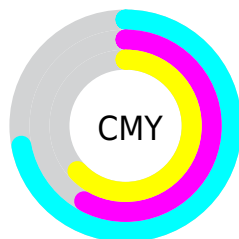


Cyan (33%)

Magenta (0%)

Yellow (12%)

Black (58%)



Cyan (72%)


Magenta (58%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.043, 168.131 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, 16.043, 168.131 by changing the saturation by 10% instead.


 42, 16.043,
168.131


 42, 16.043,
168.131


 100, 16.043,
168.131


 32, 16.043,
168.131

 62, 16.043,
168.131


 22, 16.043,
168.131

 72, 16.043,
168.131

 12, 16.043,
168.131

 82, 16.043,
168.131

 2, 16.043, 168.131


 92, 16.043,
168.131


 0, 16.043, 168.131


 42, 16.043,


 42, 16.043,


168.131


 41, 20.581,
166.997


 41, 24.837,
165.746

 40, 28.741,
164.355


 40, 32.232,
162.802

 40, 35.272,
161.071

 39, 37.867,
159.166

 39, 39.620,
157.888

168.131


 43, 11.300,
169.163


 44, 6.419, 170.124

 45, 1.465, 171.145


 46, 3.510, 351.679

 47, 8.463, 352.486

 48, 13.361,
353.214

 49, 18.181,
353.897

 51, 22.906,
354.544

 52, 27.524,
355.161

Harmonies

Complementary

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



42, 16.043, 168.131



35, 17.195, 354.509

Rectangle

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



42, 16.043, 168.131



42, 16.043, 218.131



42, 16.043, 348.131



42, 16.043, 38.131

Sweetspot

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



42, 16.044, 168.129



56, 6.138, 170.375



42, 22.865, 131.612



28, 4.155, 170.280



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, 16.044, 168.129



53, 23.793, 167.216



41, 11.719, 210.384



22, 2.807, 170.498



43, 42.712, 157.614



86, 75.377, 156.188

Inverse Universe

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



35, 17.195, 354.509



42, 25.942, 355.603



35, 14.632, 31.377



21, 2.862, 351.911



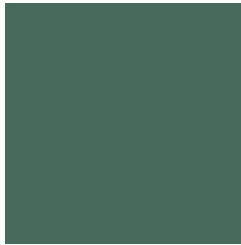
24, 47.819, 12.051



52, 83.012, 15.476

Previews

White Background



This preview shows how the CIELCh color 42, 16.043, 168.131 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, 16.043, 168.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

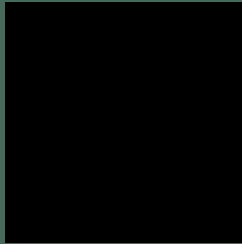
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.043, 168.131

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.043, 168.131.



This preview shows how white text looks on a background with the CIELCh color 42, 16.043, 168.131.

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, 16.043, 168.131

Protanopia

42, 5.832, 87.542

Deuteranopia

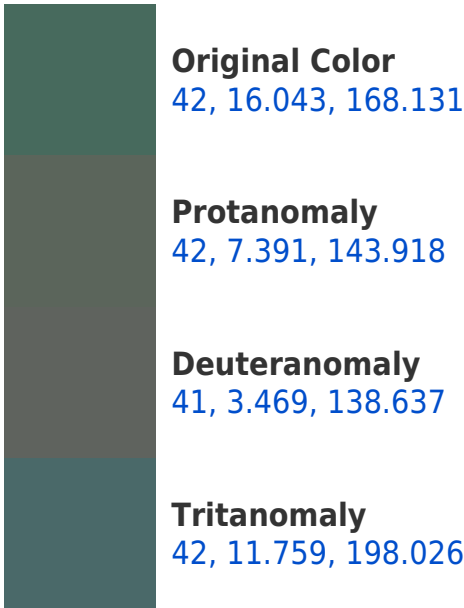
42, 5.992, 20.145



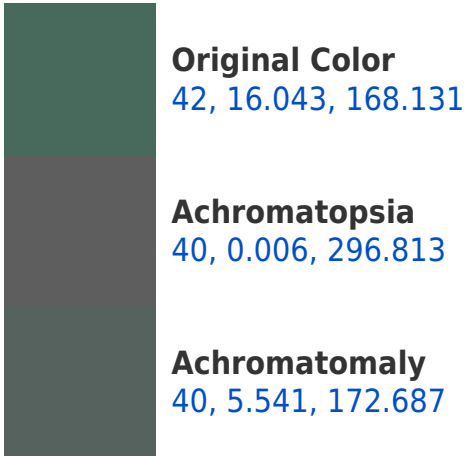
Tritanopia

42, 11.568, 223.146

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.043, 168.131 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(71, 106, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 106, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.043, 168.131 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, 93) }
```

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

```
.border{ border-color:rgb(71, 106, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 106, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 106, 93);  
box-shadow:4px 4px 4px 4px rgb(71, 106,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.043, 168.131 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, 93) }
```

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

```
.background{ background-color:rgb(71, 106,  
93) }
```

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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