

Converting Colors

CIELCh(42, 15.994, 170.533)

Have a look what the booklet for
CIELCh(42, 15.994, 170.533)
contains.

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Color

CIELCh(42, 16.014, 170.502)

Conversions

Conversions Part 1

Format	Color
Hex	466A5E
RGB	70, 106, 94
RGB Percent	27%, 42%, 37%
CMY	0.7243, 0.5831, 0.6302
CMYK	0.34, 0.00, 0.11, 0.58
HSL	160°, 20%, 35%
HSV	160°, 34%, 42%
XYZ	9.7683, 12.5000, 12.5597
YIQ	93.8680, -17.6040, -11.3640

Conversions

Conversions Part 2

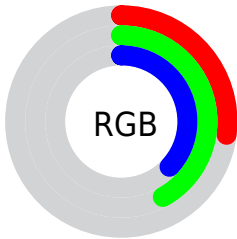
Format	Color
R_{YB}	70, 92, 106
Decimal	4614750
CIE Lab	42.00, -15.79, 2.64
CIE LCh	42, 16.014, 170.502
Yxy	12.5000, 0.2805, 0.3589
Android (android.graphics.Color)	4282804830 (0xFF466A5E)
YUV	93.8680, 0.0651, -20.9322
Hunter-Lab	35.3553, -12.5541, 3.6865

Details

The CIELCh color $42, 16.014, 170.502$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $34, 17.405, 357.205$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 15.729, 170.304$, and $22, 16.463, 169.802$ is the 20% darker color. If you saturate the color by 10%, you get $41, 20.363, 169.367$, and if you desaturate by 10%, it is $43, 11.439, 171.541$.

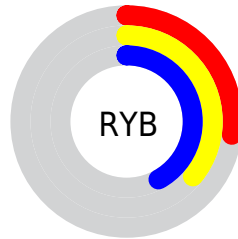
Distribution



Red (27%)

Green (42%)

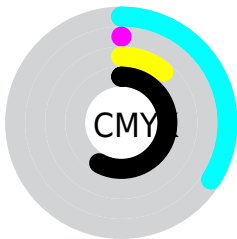
Blue (37%)



Red (27%)

Yellow (36%)

Blue (42%)

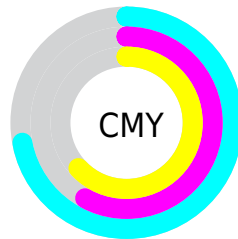


Cyan (34%)

Magenta (0%)

Yellow (11%)

Black (58%)



Cyan (72%)


Magenta (58%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.014, 170.502 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, 16.014, 170.502 by changing the saturation by 10% instead.


 42, 16.014,
170.502


 42, 16.014,
170.502


 100, 16.014,
170.502


 32, 16.014,
170.502

 62, 16.014,
170.502


 22, 16.014,
170.502

 72, 16.014,
170.502

 12, 16.014,
170.502

 82, 16.014,
170.502

 2, 16.014, 170.502

 92, 16.014,
170.502

 0, 16.014, 170.502

 42, 16.014,

 42, 16.014,

170.502

170.502

■ 41, 20.363,
169.367

■ 43, 11.439,
171.541

■ 41, 24.410,
168.120

■ 44, 6.706, 172.511

■ 40, 28.090,
166.738

■ 45, 1.879, 173.509

■ 46, 2.988, 354.082

■ 40, 31.345,
165.200

■ 47, 7.851, 354.924

■ 40, 34.143,
163.489

■ 48, 12.675,
355.677

■ 39, 36.508,
161.618

■ 49, 17.435,
356.386

■ 39, 37.913,
160.533

■ 50, 22.112,
357.060

■ 52, 26.693,
357.705

Harmonies

Complementary

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



42, 16.014, 170.502



34, 17.405, 357.205

Rectangle

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



42, 16.014, 170.502



42, 16.014, 220.502



42, 16.014, 350.502



42, 16.014, 40.502

Sweetspot

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



42, 16.015, 170.500



56, 5.990, 172.852



42, 23.738, 132.641



28, 4.054, 172.756



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, 16.015, 170.500



53, 23.616, 169.573



41, 11.724, 214.504



22, 2.740, 172.977



43, 40.834, 160.267



86, 71.927, 158.870

Inverse Universe

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



34, 17.405, 357.205



42, 26.206, 358.379



35, 14.730, 34.447



21, 2.801, 354.406



24, 48.256, 15.573



52, 84.189, 19.121

Previews

White Background



This preview shows how the CIELCh color 42, 16.014, 170.502 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, 16.014, 170.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

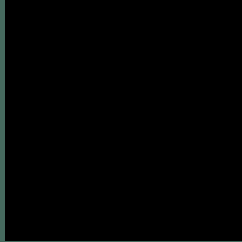
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.014, 170.502

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.014, 170.502.



This preview shows how white text looks on a background with the CIELCh color 42, 16.014, 170.502.

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, 16.014, 170.502

Protanopia

42, 5.273, 85.272

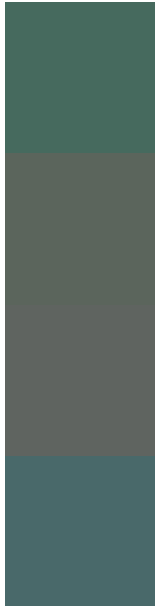
Deuteranopia

42, 5.559, 13.889



Tritanopia
42, 11.867, 222.449

Trichromacy



Original Color
42, 16.014, 170.502

Protanomaly
42, 6.898, 146.731

Deuteranomaly
42, 3.205, 150.293

Tritanomaly
42, 12.039, 200.903

Monochromacy



Original Color
42, 16.014, 170.502

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 5.903, 174.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.014, 170.502 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(70, 106, 94)` looks like.

```
.text, #text, p{  
    color:rgb(70, 106, 94)  
}
```

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(70, 106, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 106, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.014, 170.502 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(70, 106, 94) }
```

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

```
.border{ border-color:rgb(70, 106, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 106, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 106, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 106, 94);  
box-shadow:4px 4px 4px 4px rgb(70, 106,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.014, 170.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 106, 94) }
```

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

```
.background{ background-color: rgb(70, 106,  
94) }
```

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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