

# Converting Colors

CIELCh(42, 14.500, 156.015)

Have a look what the booklet for  
CIELCh(42, 14.500, 156.015)  
contains.

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# Color

**CIELCh(42, 14.499, 156.016)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4F6959
RGB	79, 105, 89
RGB Percent	31%, 41%, 35%
CMY	0.6900, 0.5880, 0.6508
CMYK	0.25, 0.00, 0.15, 0.59
HSL	143°, 14%, 36%
HSV	143°, 25%, 41%
XYZ	10.0905, 12.5000, 11.3430
YIQ	95.4020, -10.3600, -10.4880

# Conversions

## Conversions Part 2

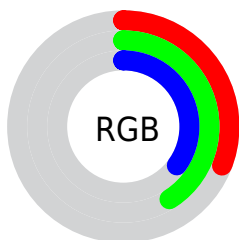
Format	Color
<a href="#">RYB</a>	<a href="#">79, 98, 105</a>
Decimal	<a href="#">5204313</a>
CIELab	<a href="#">42.00, -13.25, 5.89</a>
CIELCh	<a href="#">42, 14.499, 156.016</a>
Yxy	<a href="#">12.5000, 0.2974, 0.3684</a>
Android (android.graphics.Color)	<a href="#">4283394393</a> <a href="#">(0xFF4F6959)</a>
YUV	<a href="#">95.4020, -3.1562, -14.3846</a>
Hunter-Lab	<a href="#">35.3553, -10.9273, 5.7268</a>

# Details

The CIELCh color  $42, 14.499, 156.016$  is a dark color, and the websafe version is hex  $336666$ . A complement of this color would be  $37, 14.729, 339.735$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 14.177, 155.973$ , and  $22, 14.339, 156.177$  is the 20% darker color. If you saturate the color by 10%, you get  $41, 20.278, 155.059$ , and if you desaturate by 10%, it is  $43, 8.641, 156.868$ .

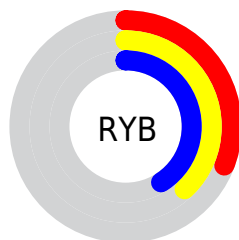
# Distribution



Red (31%)

Green (41%)

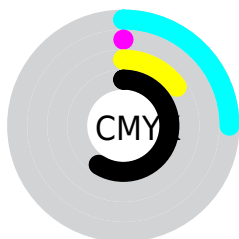
Blue (35%)



Red (31%)

Yellow (38%)

Blue (41%)

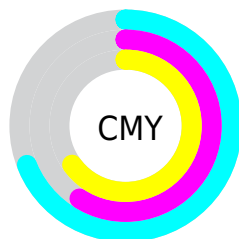


Cyan (25%)

Magenta (0%)

Yellow (15%)

Black (59%)



Cyan (69%)

Magenta (59%)


Yellow (65%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 14.499, 156.016 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, 14.499, 156.016 by changing the saturation by 10% instead.





 42, 14.499,  
156.016


 42, 14.499,  
156.016


 100, 14.499,  
156.016


 32, 14.499,  
156.016

 62, 14.499,  
156.016


 22, 14.499,  
156.016

 72, 14.499,  
156.016

 12, 14.499,  
156.016


 82, 14.499,  
156.016

 2, 14.499, 156.016

 92, 14.499,  
156.016


 0, 14.499, 156.016

 42, 14.499,

 42, 14.499,

156.016


156.016

 41, 20.278,  
155.059


 43, 8.641, 156.868

 40, 25.893,  
153.977

 44, 2.772, 157.674


 40, 31.253,  
152.749

 45, 3.052, 338.188


 39, 36.267,  
151.357

 47, 14.404,  
339.404


 39, 40.849,  
149.787


 49, 19.880,  
339.911


 39, 44.933,  
148.040

 50, 25.204,  
340.376

 38, 48.526,  
146.177

 52, 30.369,  
340.805

 38, 50.332,  
145.298

 53, 35.374,  
341.203



# Harmonies

# Complementary

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



42, 14.499, 156.016



37, 14.729, 339.735

# Rectangle

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



42, 14.499, 156.016



42, 14.499, 206.016



42, 14.499, 336.016



42, 14.499, 26.016

# Sweetspot

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



42, 14.500, 156.015



56, 5.106, 157.470



43, 16.092, 123.699



29, 3.294, 157.443



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, 14.500, 156.015



54, 21.904, 155.445



42, 10.365, 187.952



22, 3.338, 157.328



43, 54.788, 145.000



85, 97.154, 143.642



# Inverse Universe

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



37, 14.729, 339.735



46, 22.318, 340.248



36, 11.686, 12.062



21, 3.362, 338.503



25, 49.960, 350.329

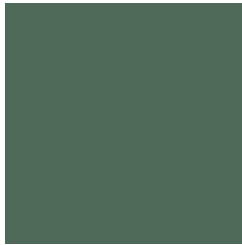


54, 85.063, 352.156



# Previews

## White Background



This preview shows how the CIELCh color 42, 14.499, 156.016 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, 14.499, 156.016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

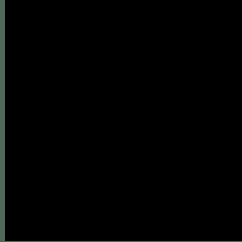
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

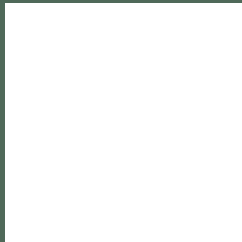
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 42, 14.499, 156.016**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 42, 14.499, 156.016.

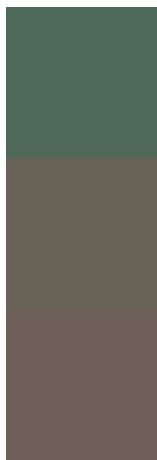


This preview shows how white text looks on a background with the CIELCh color 42, 14.499, 156.016.

# 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, 14.499, 156.016

### Protanopia

42, 8.112, 93.326

### Deuteranopia

42, 7.384, 39.171

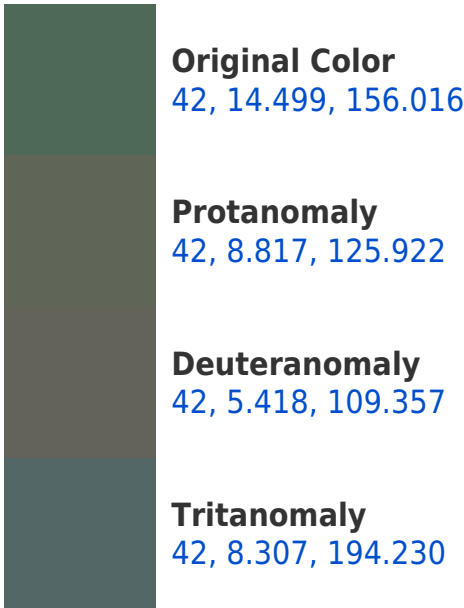




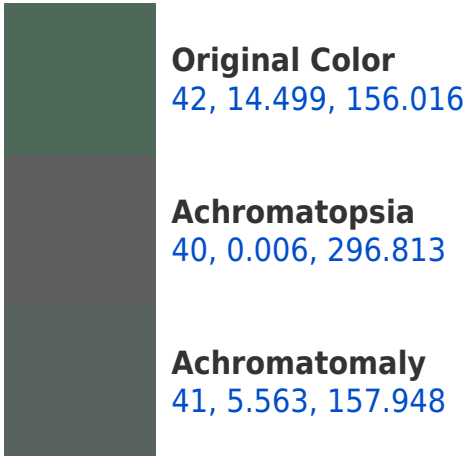
## Tritanopia

42, 8.580, 233.179

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 14.499, 156.016 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(79, 105, 89)` looks like.

```
.text, #text, p{  
    color:rgb(79, 105, 89)  
}
```

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(79, 105, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 105, 89) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 14.499, 156.016 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(79, 105, 89) }
```

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

```
.border{ border-color:rgb(79, 105, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 105, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 105, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 105, 89);  
box-shadow:4px 4px 4px 4px rgb(79, 105,  
89) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 14.499, 156.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 105, 89) }
```

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

```
.background{ background-color: rgb(79, 105,  
89) }
```

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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