

Converting Colors

CIELCh(61, 42.142, 156.153)

Have a look what the booklet for
CIELCh(61, 42.142, 156.153)
contains.

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Color

CIELCh(61, 42.108, 156.347)

Conversions

Conversions Part 1

Format	Color
Hex	49A474
RGB	73, 164, 116
RGB Percent	29%, 64%, 45%
CMY	0.7135, 0.3567, 0.5449
CMYK	0.55, 0.00, 0.29, 0.36
HSL	148°, 38%, 46%
HSV	148°, 55%, 64%
XYZ	19.1902, 29.2481, 21.1703
YIQ	131.3190, -38.8280, -34.2200

Conversions

Conversions Part 2

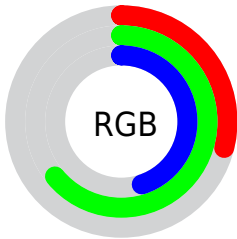
Format	Color
RYB	73, 135, 164
Decimal	4826228
CIELab	61.00, -38.57, 16.89
CIELCh	61, 42.108, 156.347
Yxy	29.2481, 0.2757, 0.4202
Android (android.graphics.Color)	4283016308 (0xFF49A474)
YUV	131.3190, -7.5523, -51.1458
Hunter-Lab	54.0815, -31.3040, 14.6479

Details

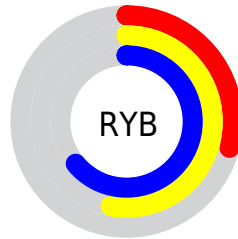
The CIELCh color **61, 42.108, 156.347** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **44, 44.058, 348.015**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 42.502, 156.254**, and **41, 41.711, 156.727** is the 20% darker color. If you saturate the color by 10%, you get **60, 48.524, 154.798**, and if you desaturate by 10%, it is **62, 35.144, 157.713**.

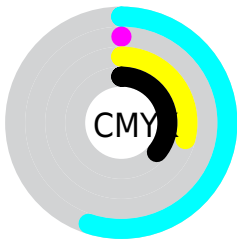
Distribution



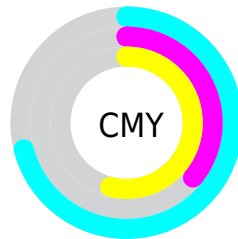
- Red (29%)
- Green (64%)
- Blue (45%)



- Red (29%)
- Yellow (53%)
- Blue (64%)



- Cyan (55%)
- Magenta (0%)
- Yellow (29%)
- Black (36%)




- Cyan (71%)
- Magenta (36%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 42.108, 156.347 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 61, 42.108, 156.347 by changing the saturation by 10% instead.


 61, 42.108,
156.347


 61, 42.108,
156.347


 100, 42.108,
156.347


 51, 42.108,
156.347


 81, 42.108,
156.347

 41, 42.108,
156.347

 91, 42.108,
156.347

 31, 42.108,
156.347

 21, 42.108,
156.347

 11, 42.108,
156.347

 1, 42.108, 156.347

 0, 42.108, 156.347

61, 42.108,
156.347

61, 42.108,
156.347

60, 48.524,
154.798

62, 35.144,
157.713

60, 54.286,
153.049

63, 27.756,
158.918

59, 59.334,
151.096

64, 20.075,
159.987

59, 63.674,
148.963

65, 12.226,
160.945

59, 65.517,
148.024

67, 4.315, 161.846

68, 3.569, 342.438

70, 11.359,
343.203

72, 19.004,
343.856

■ 73, 26.469,
344.454

Harmonies

Complementary

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



61, 42.108, 156.347



44, 44.058, 348.015

Rectangle

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



61, 42.108, 156.347



61, 42.108, 206.347



61, 42.108, 336.347



61, 42.108, 26.347

Sweetspot

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



61, 42.109, 156.347



83, 16.690, 160.775



63, 51.567, 125.393



43, 11.140, 160.599



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



61, 42.109, 156.347



77, 61.223, 154.331



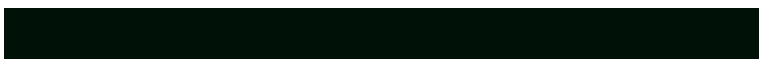
62, 28.409, 193.511



34, 4.449, 161.502



53, 59.639, 148.276



4, 7.153, 159.971

Inverse Universe

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



44, 44.058, 348.015



53, 63.502, 350.205



43, 41.398, 23.765



32, 4.498, 342.890



31, 56.187, 358.585



1, 6.696, 344.856

Previews

White Background



This preview shows how the CIELCh color 61, 42.108, 156.347 looks on a white 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

Black Background



This preview shows how the CIELCh color 61, 42.108, 156.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

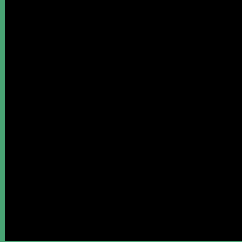
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 42.108, 156.347

Background



This preview shows how black text looks on a background with the CIELCh color 61, 42.108, 156.347.



This preview shows how white text looks on a background with the CIELCh color 61, 42.108, 156.347.

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
61, 42.108, 156.347

Protanopia
61, 21.747, 95.243

Deuteranopia
61, 16.412, 62.930



Tritanopia
61, 22.461, 216.871

Trichromacy



Original Color
61, 42.108, 156.347



Protanomaly
60, 25.905, 132.676



Deuteranomaly
60, 17.908, 128.180



Tritanomaly
61, 26.410, 184.673

Monochromacy



Original Color
61, 42.108, 156.347



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 16.124, 160.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 42.108, 156.347 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(73, 164, 116)` looks like.

```
.text, #text, p{  
    color:rgb(73, 164, 116)  
}
```

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(73, 164, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 164, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 42.108, 156.347 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(73, 164, 116) }
```

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

```
.border{ border-color:rgb(73, 164, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 164, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 164, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 164, 116);  
box-shadow:4px 4px 4px 4px rgb(73, 164,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 42.108, 156.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 164, 116) }
```

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

```
.background{ background-color: rgb(73, 164,  
116) }
```

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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