

Converting Colors

CIELCh(61, 41.682, 158.793)

Have a look what the booklet for
CIELCh(61, 41.682, 158.793)
contains.

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Color

CIELCh(61, 41.696, 158.745)

Conversions

Conversions Part 1

Format	Color
Hex	45A477
RGB	69, 164, 119
RGB Percent	27%, 64%, 47%
CMY	0.7284, 0.3559, 0.5325
CMYK	0.58, 0.00, 0.27, 0.36
HSL	152°, 41%, 46%
HSV	152°, 58%, 64%
XYZ	19.1335, 29.2481, 22.1599
YIQ	130.4650, -42.1750, -34.1350

Conversions

Conversions Part 2

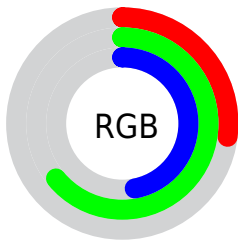
Format	Color
RYB	69, 131, 164
Decimal	4564087
CIELab	61.00, -38.86, 15.12
CIElCh	61, 41.696, 158.745
Yxy	29.2481, 0.2712, 0.4146
Android (android.graphics.Color)	4282754167 (0xFF45A477)
YUV	130.4650, -5.6522, -53.9048
Hunter-Lab	54.0815, -31.4911, 13.5630

Details

The CIELCh color **61, 41.696, 158.745** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **43, 44.549, 351.811**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 42.053, 158.477**, and **41, 40.854, 157.910** is the 20% darker color. If you saturate the color by 10%, you get **60, 47.586, 157.141**, and if you desaturate by 10%, it is **62, 35.231, 160.164**.

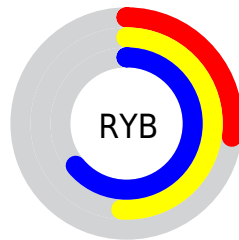
Distribution



Red (27%)

Green (64%)

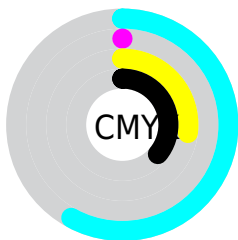
Blue (47%)



Red (27%)

Yellow (51%)

Blue (64%)

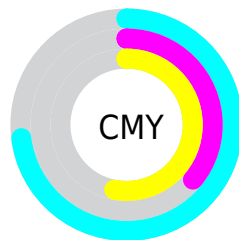


Cyan (58%)

Magenta (0%)

Yellow (27%)

Black (36%)



Cyan (73%)


Magenta (36%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 41.696, 158.745 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, 41.696, 158.745 by changing the saturation by 10% instead.


 61, 41.696,
158.745


 61, 41.696,
158.745


 100, 41.696,
158.745


 51, 41.696,
158.745


 81, 41.696,
158.745

 41, 41.696,
158.745

 91, 41.696,
158.745

 31, 41.696,
158.745

 21, 41.696,
158.745

 11, 41.696,
158.745

 1, 41.696, 158.745

 0, 41.696, 158.745

■ 61, 41.696,
158.745

■ 61, 41.696,
158.745

■ 60, 47.586,
157.141

■ 62, 35.231,
160.164

■ 60, 52.814,
155.337

■ 63, 28.302,
161.422

■ 60, 57.343,
153.326

■ 64, 21.035,
162.543

■ 59, 61.245,
151.163

■ 65, 13.551,
163.552

■ 59, 62.063,
150.714

■ 66, 5.958, 164.489

■ 68, 1.651, 345.032

■ 69, 9.204, 345.963

■ 71, 16.646,
346.675

■ 73, 23.937,
347.328

Harmonies

Complementary

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



61, 41.696, 158.745



43, 44.549, 351.811

Rectangle

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



61, 41.696, 158.745



61, 41.696, 208.745



61, 41.696, 338.745



61, 41.696, 28.745

Sweetspot

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



61, 41.697, 158.744



83, 16.036, 163.602



62, 54.333, 127.106



43, 10.701, 163.421



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, 41.697, 158.744



77, 59.627, 156.717



62, 28.299, 198.830



34, 4.281, 164.356



53, 56.453, 150.971



4, 6.910, 162.415

Inverse Universe

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



43, 44.549, 351.811



52, 63.375, 354.344



43, 43.454, 27.622



32, 4.340, 345.807



31, 55.629, 3.545



1, 6.480, 347.641

Previews

White Background



This preview shows how the CIELCh color 61, 41.696, 158.745 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, 41.696, 158.745 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, 41.696, 158.745

Background



This preview shows how black text looks on a background with the CIELCh color 61, 41.696, 158.745.



This preview shows how white text looks on a background with the CIELCh color 61, 41.696, 158.745.

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, 41.696, 158.745

Protanopia
61, 20.026, 95.681

Deuteranopia
61, 14.887, 59.743



Tritanopia
61, 23.551, 214.380

Trichromacy



Original Color
61, 41.696, 158.745



Protanomaly
60, 24.789, 135.897



Deuteranomaly
60, 16.670, 132.698



Tritanomaly
61, 26.970, 187.335

Monochromacy



Original Color
61, 41.696, 158.745



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 16.052, 163.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 41.696, 158.745 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(69, 164, 119)` looks like.

```
.text, #text, p{  
    color:rgb(69, 164, 119)  
}
```

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(69, 164, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 164, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 41.696, 158.745 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(69, 164, 119) }
```

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

```
.border{ border-color:rgb(69, 164, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 164, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 164, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 164, 119);  
box-shadow:4px 4px 4px 4px rgb(69, 164,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 41.696, 158.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 164, 119) }
```

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

```
.background{ background-color: rgb(69, 164,  
119) }
```

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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