

Converting Colors

CIELCh(60, 41.724, 167.533)

Have a look what the booklet for
CIELCh(60, 41.724, 167.533)
contains.

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Color

CIELCh(60, 42.109, 166.974)

Conversions

Conversions Part 1

Format	Color
Hex	2CA37F
RGB	44, 163, 127
RGB Percent	17%, 64%, 50%
CMY	0.8256, 0.3623, 0.5034
CMYK	0.73, 0.00, 0.22, 0.36
HSL	162°, 57%, 41%
HSV	162°, 73%, 64%
XYZ	17.8928, 28.1233, 24.4379
YIQ	123.3150, -59.3680, -36.4240

Conversions

Conversions Part 2

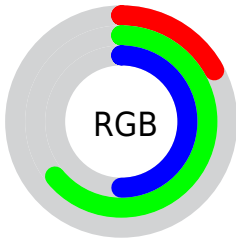
Format	Color
R_{YB}	44, 114, 163
Decimal	2925439
CIE _{Lab}	60.00, -41.03, 9.49
CIE _{LCh}	60, 42.109, 166.974
Yxy	28.1233, 0.2540, 0.3992
Android (android.graphics.Color)	4281115519 (0xFF2CA37F)
YUV	123.3150, 1.8167, -69.5593
Hunter-Lab	53.0314, -32.5791, 9.8000

Details

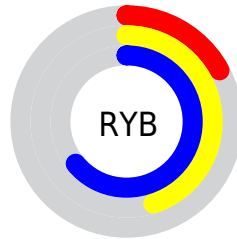
The CIELCh color `60, 42.109, 166.974` is a dark color, and the websafe version is hex `339966`. A complement of this color would be `38, 51.077, 8.032`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 42.299, 167.066`, and `41, 36.956, 163.685` is the 20% darker color. If you saturate the color by 10%, you get `60, 45.720, 165.194`, and if you desaturate by 10%, it is `61, 37.814, 168.567`.

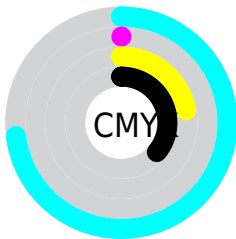
Distribution



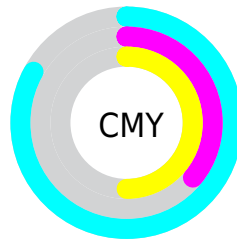
- Red (17%)
- Green (64%)
- Blue (50%)



- Red (17%)
- Yellow (45%)
- Blue (64%)



- Cyan (73%)
- Magenta (0%)
- Yellow (22%)
- Black (36%)





- Cyan (83%)
- Magenta (36%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 42.109, 166.974 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 60, 42.109, 166.974 by changing the saturation by 10% instead.


 60, 42.109,
166.974


 60, 42.109,
166.974


 100, 42.109,
166.974


 50, 42.109,
166.974


 80, 42.109,
166.974

 40, 42.109,
166.974

 90, 42.109,
166.974

 30, 42.109,
166.974

 20, 42.109,
166.974

 10, 42.109,
166.974

 0, 42.109, 166.974

 60, 42.109,

 60, 42.109,

166.974

166.974

■ 60, 45.720,
165.194

■ 61, 37.814,
168.567

■ 59, 48.661,
163.220

■ 61, 32.876,
169.997

■ 59, 50.554,
161.727

■ 62, 27.372,
171.285

■ 63, 21.404,
172.456

■ 64, 15.083,
173.532

■ 65, 8.514, 174.540

■ 66, 1.794, 175.639

■ 68, 4.994, 356.192

■ 70, 11.784,

Harmonies

Complementary

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



60, 42.109, 166.974



38, 51.077, 8.032

Rectangle

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



60, 42.109, 166.974



60, 42.109, 216.974



60, 42.109, 346.974



60, 42.109, 36.974

Sweetspot

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



60, 42.109, 166.973



81, 18.158, 173.557



60, 68.481, 131.893



43, 12.256, 173.290



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 42.109, 166.973



76, 57.852, 164.038



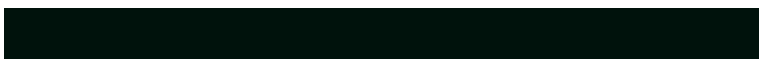
54, 28.117, 223.924



34, 3.826, 174.875



53, 46.397, 161.951



4, 6.206, 171.847

Inverse Universe

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



38, 51.077, 8.032



46, 71.073, 14.434



41, 50.712, 40.419



32, 3.927, 356.446



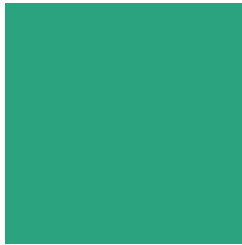
30, 57.221, 19.507



1, 5.914, 357.652

Previews

White Background



This preview shows how the CIE LCh color 60, 42.109, 166.974 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 60, 42.109, 166.974 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 60, 42.109, 166.974

Background



This preview shows how black text looks on a background with the CIELCh color 60, 42.109, 166.974.

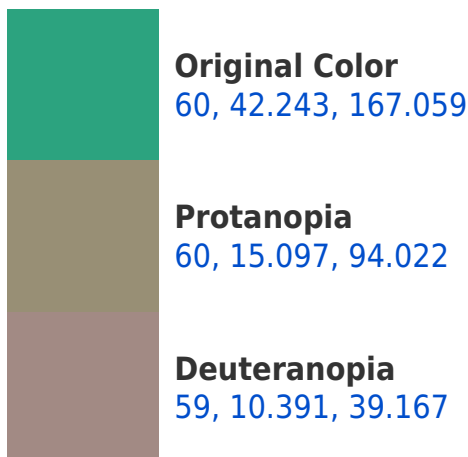


This preview shows how white text looks on a background with the CIELCh color 60, 42.109, 166.974.

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





Tritanopia
60, 27.437, 212.910

Trichromacy



Original Color
60, 42.243, 167.059



Protanomaly
59, 21.977, 149.345



Deuteranomaly
58, 14.613, 156.827



Tritanomaly
60, 30.544, 191.374

Monochromacy



Original Color
60, 42.243, 167.059



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 17.912, 172.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 42.109, 166.974 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(44, 163, 127)` looks like.

```
.text, #text, p{  
    color:rgb(44, 163, 127)  
}
```

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(44, 163, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 163, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 42.109, 166.974 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(44, 163, 127) }
```

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

```
.border{ border-color:rgb(44, 163, 127) }
```

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

Here you see how a box with a 4 pixel rgb(44, 163, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 163, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 163, 127);  
box-shadow:4px 4px 4px 4px rgb(44, 163,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 42.109, 166.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 163, 127) }
```

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

```
.background{ background-color: rgb(44, 163,  
127) }
```

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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