

Converting Colors

CIELCh(60, 45.620, 159.410)

Have a look what the booklet for
CIELCh(60, 45.620, 159.410)
contains.

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Color

CIELCh(60, 45.620, 159.410)

Conversions

Conversions Part 1

Format	Color
Hex	34A373
RGB	52, 163, 115
RGB Percent	20%, 64%, 45%
CMY	0.7965, 0.3611, 0.5494
CMYK	0.68, 0.00, 0.29, 0.36
HSL	154°, 52%, 42%
HSV	154°, 68%, 64%
XYZ	17.5799, 28.1233, 20.6948
YIQ	124.3390, -50.7480, -38.4600

Conversions

Conversions Part 2

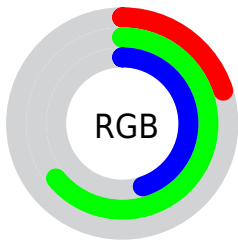
Format	Color
RYB	52, 123, 163
Decimal	3449715
CIELab	60.00, -42.71, 16.04
CIElCh	60, 45.620, 159.410
Yxy	28.1233, 0.2648, 0.4236
Android (android.graphics.Color)	4281639795 (0xFF34A373)
YUV	124.3390, -4.6041, -63.4413
Hunter-Lab	53.0314, -33.6324, 13.9849

Details

The CIELCh color **60, 45.620, 159.410** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **40, 49.791, 356.845**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 45.779, 159.252**, and **41, 41.592, 156.527** is the 20% darker color. If you saturate the color by 10%, you get **60, 50.495, 157.606**, and if you desaturate by 10%, it is **61, 40.090, 161.014**.

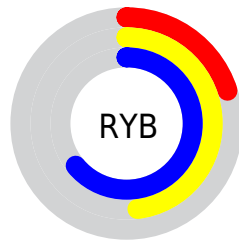
Distribution



Red (20%)

Green (64%)

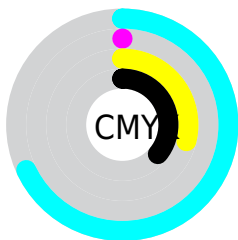
Blue (45%)



Red (20%)

Yellow (48%)

Blue (64%)

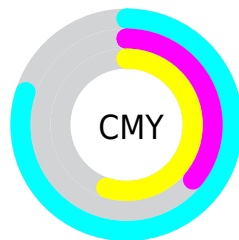


Cyan (68%)

Magenta (0%)

Yellow (29%)

Black (36%)



Cyan (80%)


Magenta (36%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.620, 159.410 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, 45.620, 159.410 by changing the saturation by 10% instead.


 60, 45.620,
159.410


 60, 45.620,
159.410


 100, 45.620,
159.410


 50, 45.620,
159.410


 80, 45.620,
159.410

 40, 45.620,
159.410

 90, 45.620,
159.410

 30, 45.620,
159.410

 20, 45.620,
159.410

 10, 45.620,
159.410

 0, 45.620, 159.410

 60, 45.620,

 60, 45.620,

159.410

159.410

■ 60, 50.495,
157.606

■ 61, 40.090,
161.014

■ 59, 54.686,
155.597

■ 61, 33.980,
162.439

■ 59, 58.283,
153.438

■ 62, 27.397,
163.707

■ 59, 58.930,
153.054

■ 63, 20.460,
164.843

■ 64, 13.286,
165.873

■ 66, 5.981, 166.833

■ 67, 1.363, 347.347

■ 69, 8.674, 348.358

■ 70, 15.895,

Harmonies

Complementary

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



60, 45.620, 159.410



40, 49.791, 356.845

Rectangle

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



60, 45.620, 159.410



60, 45.620, 209.410



60, 45.620, 339.410



60, 45.620, 29.410

Sweetspot

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



60, 45.621, 159.410



81, 18.095, 165.652



61, 63.038, 128.555



43, 12.423, 165.380



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, 45.621, 159.410



76, 64.186, 156.552



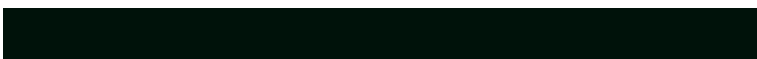
59, 29.391, 205.218



34, 4.157, 166.726



53, 53.955, 153.295



4, 6.731, 164.432

Inverse Universe

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



40, 49.791, 356.845



48, 68.786, 1.324



40, 50.407, 32.782



32, 4.225, 348.220



30, 55.542, 7.493



1, 6.324, 349.931

Previews

White Background



This preview shows how the CIELCh color 60, 45.620, 159.410 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, 45.620, 159.410 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, 45.620, 159.410

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.620, 159.410.

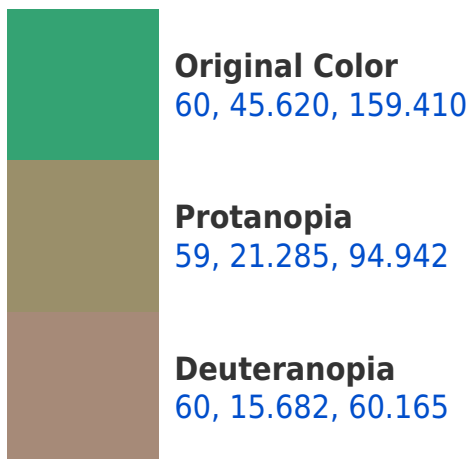


This preview shows how white text looks on a background with the CIELCh color 60, 45.620, 159.410.

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, 25.711, 214.134

Trichromacy



Original Color
60, 45.620, 159.410



Protanomaly
59, 26.654, 137.573



Deuteranomaly
59, 18.643, 136.656

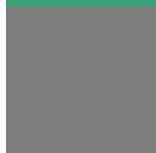


Tritanomaly
60, 30.206, 185.872

Monochromacy



Original Color
60, 45.620, 159.410



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 18.286, 165.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.620, 159.410 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(52, 163, 115)` looks like.

```
.text, #text, p{  
    color:rgb(52, 163, 115)  
}
```

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(52, 163, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 163, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.620, 159.410 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(52, 163, 115) }
```

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

```
.border{ border-color:rgb(52, 163, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 163, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 163, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 163, 115);  
box-shadow:4px 4px 4px 4px rgb(52, 163,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.620, 159.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 163, 115) }
```

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

```
.background{ background-color: rgb(52, 163,  
115) }
```

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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