

Converting Colors

CIELCh(60, 45.542, 158.492)

Have a look what the booklet for
CIELCh(60, 45.542, 158.492)
contains.

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Color

CIELCh(60, 45.550, 158.517)

Conversions

Conversions Part 1

Format	Color
Hex	37A372
RGB	55, 163, 114
RGB Percent	22%, 64%, 45%
CMY	0.7854, 0.3617, 0.5538
CMYK	0.66, 0.00, 0.30, 0.36
HSL	153°, 50%, 43%
HSV	153°, 66%, 64%
XYZ	17.6393, 28.1233, 20.3522
YIQ	125.1220, -48.6390, -38.1350

Conversions

Conversions Part 2

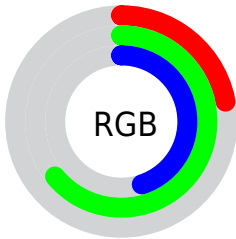
Format	Color
RYB	55, 125, 163
Decimal	3646322
CIELab	60.00, -42.39, 16.68
CIELCh	60, 45.550, 158.517
Yxy	28.1233, 0.2668, 0.4254
Android (android.graphics.Color)	4281836402 (0xFF37A372)
YUV	125.1220, -5.4831, -61.4970
Hunter-Lab	53.0314, -33.4325, 14.3679

Details

The CIELCh color **60, 45.550, 158.517** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **40, 49.124, 354.913**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 45.728, 158.404**, and **40, 42.024, 155.952** is the 20% darker color. If you saturate the color by 10%, you get **60, 50.695, 156.746**, and if you desaturate by 10%, it is **61, 39.762, 160.090**.

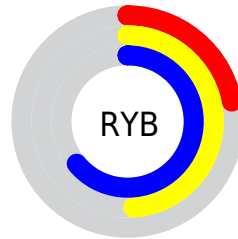
Distribution



Red (22%)

Green (64%)

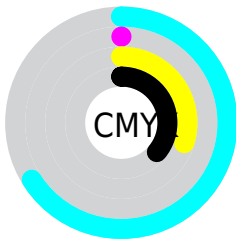
Blue (45%)



Red (22%)

Yellow (49%)

Blue (64%)

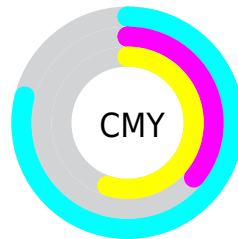


Cyan (66%)

Magenta (0%)

Yellow (30%)

Black (36%)



Cyan (79%)


Magenta (36%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.550, 158.517 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, 45.550, 158.517 by changing the saturation by 10% instead.


 60, 45.550,
158.517


 60, 45.550,
158.517


 100, 45.550,
158.517


 50, 45.550,
158.517


 80, 45.550,
158.517

 40, 45.550,
158.517

 90, 45.550,
158.517

 30, 45.550,
158.517

 20, 45.550,
158.517

 10, 45.550,
158.517

 0, 45.550, 158.517

 60, 45.550,

 60, 45.550,

158.517

■ 60, 50.695,
156.746

■ 59, 55.152,
154.768

■ 59, 58.963,
152.611

■ 59, 60.276,
151.854

158.517

■ 61, 39.762,
160.090

■ 61, 33.414,
161.484

■ 62, 26.620,
162.724

■ 63, 19.502,
163.834

■ 65, 12.176,
164.838

■ 66, 4.748, 165.785

■ 67, 2.695, 346.397

■ 69, 10.083,
347.253

■ 71, 17.364,
347.970

Harmonies

Complementary

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



60, 45.550, 158.517



40, 49.124, 354.913

Rectangle

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



60, 45.550, 158.517



60, 45.550, 208.517



60, 45.550, 338.517



60, 45.550, 28.517

Sweetspot

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



60, 45.551, 158.517



81, 18.379, 164.448



61, 61.055, 127.482



43, 12.620, 164.179



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, 45.551, 158.517



76, 64.504, 155.761



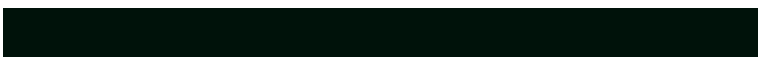
60, 29.970, 200.790



34, 4.219, 165.510



53, 55.220, 152.093



4, 6.821, 163.398

Inverse Universe

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



40, 49.124, 354.913



48, 68.260, 358.932



40, 49.888, 30.602



32, 4.282, 346.983



31, 55.547, 5.490



1, 6.402, 348.759

Previews

White Background



This preview shows how the CIELCh color 60, 45.550, 158.517 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, 45.550, 158.517 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, 45.550, 158.517

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.550, 158.517.



This preview shows how white text looks on a background with the CIELCh color 60, 45.550, 158.517.

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
60, 45.550, 158.517

Protanopia
59, 21.827, 95.176

Deuteranopia
60, 16.082, 61.560



Tritanopia
60, 25.263, 213.104

Trichromacy



Original Color
60, 45.550, 158.517



Protanomaly
59, 26.940, 136.301



Deuteranomaly
59, 18.952, 134.836



Tritanomaly
60, 29.371, 185.611

Monochromacy



Original Color
60, 45.550, 158.517



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 18.619, 163.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.550, 158.517 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(55, 163, 114)` looks like.

```
.text, #text, p{  
    color:rgb(55, 163, 114)  
}
```

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(55, 163, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 163, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.550, 158.517 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(55, 163, 114) }
```

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

```
.border{ border-color:rgb(55, 163, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 163, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 163, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 163, 114);  
box-shadow:4px 4px 4px 4px rgb(55, 163,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.550, 158.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 163, 114) }
```

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

```
.background{ background-color: rgb(55, 163,  
114) }
```

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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