

Converting Colors

CIELCh(60, 63.863, 149.776)

Have a look what the booklet for
CIELCh(60, 63.863, 149.776)
contains.

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Color

CIELCh(60, 64.013, 149.788)

Conversions

Conversions Part 1

Format	Color
Hex	00A755
RGB	0, 167, 85
RGB Percent	0%, 65%, 33%
CMY	1.0000, 0.3467, 0.6681
CMYK	1.00, 0.00, 0.49, 0.35
HSL	150°, 100%, 33%
HSV	150°, 100%, 65%
XYZ	15.3468, 28.1233, 13.1355
YIQ	107.7190, -73.2100, -60.9060

Conversions

Conversions Part 2

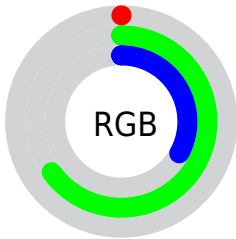
Format	Color
RYB	0, 111, 167
Decimal	42837
CIELab	60.00, -55.32, 32.21
CIELCh	60, 64.013, 149.788
Yxy	28.1233, 0.2711, 0.4968
Android (android.graphics.Color)	4278232917 (0xFF00A755)
YUV	107.7190, -11.2005, -94.4696
Hunter-Lab	53.0314, -41.1487, 22.4364

Details

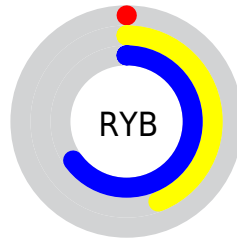
The CIELCh color **60, 64.013, 149.788** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **36, 61.576, 2.392**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 63.802, 149.806**, and **41, 55.767, 143.005** is the 20% darker color. If you saturate the color by 10%, you get **60, 63.954, 149.743**, and if you desaturate by 10%, it is **60, 59.978, 151.894**.

Distribution



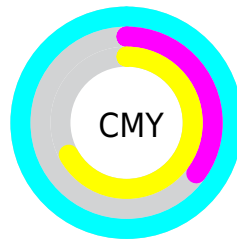
- Red (0%)
- Green (65%)
- Blue (33%)



- Red (0%)
- Yellow (44%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 64.013, 149.788 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, 64.013, 149.788 by changing the saturation by 10% instead.

 60, 64.013,
149.788

 60, 64.013,
149.788


 100, 64.013,
149.788

 50, 64.013,
149.788


 80, 64.013,
149.788


 40, 64.013,
149.788

 90, 64.013,
149.788

 30, 64.013,
149.788

 20, 64.013,
149.788

 10, 64.013,
149.788


 0, 64.013, 149.788


 60, 64.013,


 60, 64.013,


149.788

149.788


 60, 63.954,
149.743


 60, 59.978,
151.894


 61, 55.434,
153.950


 61, 50.175,
155.803

 62, 44.229,
157.450

 62, 37.677,
158.908

 63, 30.631,
160.196

 64, 23.220,
161.341

 66, 15.570,
162.365

Harmonies

Complementary

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



60, 64.013, 149.788



36, 61.576, 2.392

Rectangle

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



60, 64.013, 149.788



60, 64.013, 199.788



60, 64.013, 329.788



60, 64.013, 19.788

Sweetspot

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



60, 63.954, 149.743



82, 28.754, 161.281



61, 79.214, 127.917



43, 19.700, 160.830



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



60, 63.954, 149.743



76, 78.537, 149.287



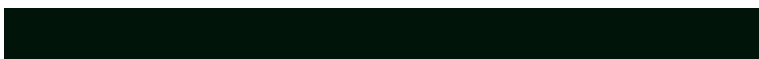
62, 36.435, 196.386



35, 4.448, 163.366



54, 58.313, 149.989



5, 8.547, 160.425

Inverse Universe

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



36, 61.576, 2.392



47, 74.826, 3.273



34, 75.849, 39.837



33, 4.506, 344.804



31, 56.468, 1.926



2, 7.765, 347.990

Previews

White Background



This preview shows how the CIELCh color 60, 64.013, 149.788 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, 64.013, 149.788 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, 64.013, 149.788

Background



This preview shows how black text looks on a background with the CIELCh color 60, 64.013, 149.788.



This preview shows how white text looks on a background with the CIELCh color 60, 64.013, 149.788.

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, 64.013, 149.788

Protanopia

60, 37.415, 96.169

Deuteranopia

59, 30.303, 75.096



Tritanopia
60, 27.614, 212.793

Trichromacy



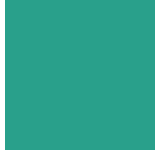
Original Color
60, 64.013, 149.788



Protanomaly
58, 44.855, 133.637



Deuteranomaly
57, 36.459, 132.093



Tritanomaly
59, 37.192, 177.412

Monochromacy



Original Color
60, 64.013, 149.788



Achromatopsia
45, 0.006, 296.813



Achromatomaly
49, 29.102, 159.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 64.013, 149.788 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(0, 167, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 85)  
}
```

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(0, 167, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 64.013, 149.788 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(0, 167, 85) }
```

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

```
.border{ border-color:rgb(0, 167, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 60, 64.013, 149.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 85) }
```

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

```
.background{ background-color: rgb(0, 167,  
85) }
```

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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