

Converting Colors

CIELCh(60, 69.451, 144.653)

Have a look what the booklet for
CIELCh(60, 69.451, 144.653)
contains.

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Color

CIELCh(60, 69.425, 144.698)

Conversions

Conversions Part 1

Format	Color
Hex	13A745
RGB	19, 167, 69
RGB Percent	7%, 65%, 27%
CMY	0.9239, 0.3460, 0.7302
CMYK	0.88, 0.00, 0.59, 0.35
HSL	140°, 79%, 37%
HSV	140°, 88%, 65%
XYZ	15.1212, 28.1233, 10.2276
YIQ	111.5760, -56.7500, -61.8540

Conversions

Conversions Part 2

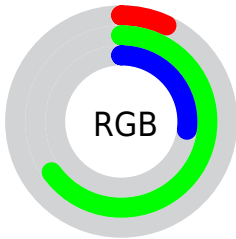
Format	Color
RYB	19, 130, 167
Decimal	1288005
CIELab	60.00, -56.66, 40.12
CIELCh	60, 69.425, 144.698
Yxy	28.1233, 0.2828, 0.5259
Android (android.graphics.Color)	4279478085 (0xFF13A745)
YUV	111.5760, -20.9900, -81.1892
Hunter-Lab	53.0314, -41.9081, 25.6874

Details

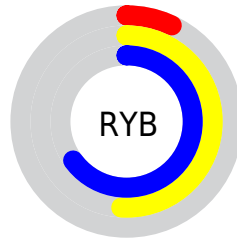
The CIELCh color **60, 69.425, 144.698** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **38, 64.607, 344.975**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 69.326, 144.760**, and **41, 62.203, 138.294** is the 20% darker color. If you saturate the color by 10%, you get **60, 74.181, 142.736**, and if you desaturate by 10%, it is **60, 63.820, 146.595**.

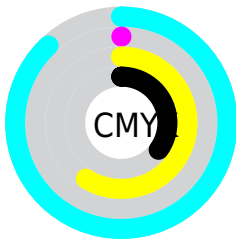
Distribution



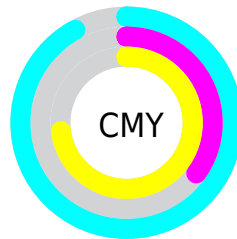
- Red (7%)
- Green (65%)
- Blue (27%)



- Red (7%)
- Yellow (51%)
- Blue (65%)



- Cyan (88%)
- Magenta (0%)
- Yellow (59%)
- Black (35%)




- Cyan (92%)
- Magenta (35%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 69.425, 144.698 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, 69.425, 144.698 by changing the saturation by 10% instead.

 60, 69.425,
144.698


 60, 69.425,
144.698


 100, 69.425,
144.698


 50, 69.425,
144.698


 80, 69.425,
144.698

 40, 69.425,
144.698

 90, 69.425,
144.698


 30, 69.425,
144.698

 20, 69.425,
144.698

 10, 69.425,
144.698

 0, 69.425, 144.698

 60, 69.425,

 60, 69.425,

144.698

144.698

■ 60, 74.181,
142.736

■ 60, 63.820,
146.595

■ 60, 74.914,
142.440

■ 61, 57.348,
148.327

■ 61, 50.103,
149.873

■ 62, 42.220,
151.234

■ 63, 33.857,
152.424

■ 64, 25.171,
153.463

■ 66, 16.310,
154.374

■ 67, 7.401, 155.190

Harmonies

Complementary

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



60, 69.425, 144.698



38, 64.607, 344.975

Rectangle

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



60, 69.425, 144.698



60, 69.425, 194.698



60, 69.425, 324.698



60, 69.425, 14.698

Sweetspot

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



60, 69.425, 144.698



82, 29.671, 153.547



63, 71.509, 120.359



43, 20.130, 153.226



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, 69.425, 144.698



76, 91.906, 142.036



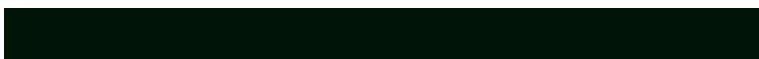
61, 41.410, 176.324



35, 5.051, 155.116



53, 68.244, 142.663



5, 9.520, 153.826

Inverse Universe

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



38, 64.607, 344.975



48, 79.764, 347.829



36, 62.802, 25.784



33, 5.081, 336.348



32, 60.403, 347.101



2, 8.704, 339.200

Previews

White Background



This preview shows how the CIELCh color 60, 69.425, 144.698 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, 69.425, 144.698 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, 69.425, 144.698

Background



This preview shows how black text looks on a background with the CIELCh color 60, 69.425, 144.698.



This preview shows how white text looks on a background with the CIELCh color 60, 69.425, 144.698.

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, 69.481, 144.745

Protanopia

60, 44.946, 95.612

Deuteranopia

60, 38.293, 78.437



Tritanopia
60, 26.678, 213.436

Trichromacy



Original Color
60, 69.481, 144.745



Protanomaly
58, 50.690, 126.125



Deuteranomaly
58, 42.313, 122.771



Tritanomaly
59, 37.783, 172.185

Monochromacy



Original Color
60, 69.481, 144.745



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 29.824, 152.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 69.425, 144.698 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(19, 167, 69)` looks like.

```
.text, #text, p{  
    color:rgb(19, 167, 69)  
}
```

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(19, 167, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 167, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 69.425, 144.698 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(19, 167, 69) }
```

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

```
.border{ border-color:rgb(19, 167, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 167, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 167, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 167, 69);  
box-shadow:4px 4px 4px 4px rgb(19, 167,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 69.425, 144.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 167, 69) }
```

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

```
.background{ background-color: rgb(19, 167,  
69) }
```

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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