

Converting Colors

CIELCh(63, 74.432, 133.845)

Have a look what the booklet for
CIELCh(63, 74.432, 133.845)
contains.

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Color

CIELCh(63, 74.577, 133.831)

Conversions

Conversions Part 1

Format	Color
Hex	4BAD2D
RGB	75, 173, 45
RGB Percent	29%, 68%, 18%
CMY	0.7057, 0.3214, 0.8234
CMYK	0.57, 0.00, 0.74, 0.32
HSL	106°, 59%, 43%
HSV	106°, 74%, 68%
XYZ	18.3289, 31.5869, 7.6169
YIQ	129.1060, -17.3200, -60.5840

Conversions

Conversions Part 2

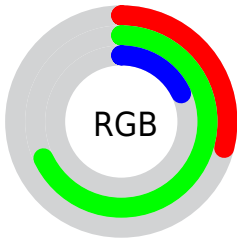
Format	Color
RYB	45, 173, 143
Decimal	4959533
CIELab	63.00, -51.65, 53.80
CIElCh	63, 74.577, 133.831
Yxy	31.5869, 0.3186, 0.5490
Android (android.graphics.Color)	4283149613 (0xFF4BAD2D)
YUV	129.1060, -41.4643, -47.4510
Hunter-Lab	56.2022, -40.1408, 31.3062

Details

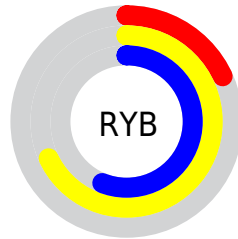
The CIELCh color **63, 74.577, 133.831** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **39, 76.470, 320.286**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 74.541, 133.872**, and **43, 68.185, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 81.010, 133.698**, and if you desaturate by 10%, it is **64, 66.509, 134.241**.

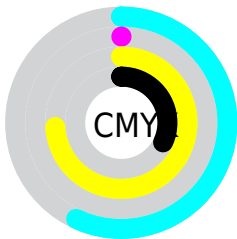
Distribution



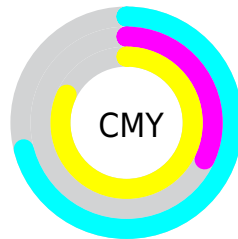
- Red (29%)
- Green (68%)
- Blue (18%)



- Red (18%)
- Yellow (68%)
- Blue (56%)



- Cyan (57%)
- Magenta (0%)
- Yellow (74%)
- Black (32%)





- Cyan (71%)
- Magenta (32%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 74.577, 133.831 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 63, 74.577, 133.831 by changing the saturation by 10% instead.


 63, 74.577,
133.831


 63, 74.577,
133.831


 100, 74.577,
133.831


 53, 74.577,
133.831


 83, 74.577,
133.831

 43, 74.577,
133.831

 93, 74.577,
133.831

 33, 74.577,
133.831

 23, 74.577,
133.831

 13, 74.577,
133.831

 3, 74.577, 133.831

 0, 74.577, 133.831

■ 63, 74.577,
133.831

■ 63, 74.577,
133.831

■ 63, 81.010,
133.698

■ 64, 66.509,
134.241

■ 62, 85.424,
133.949

■ 64, 57.262,
134.802

■ 62, 87.372,
134.157

■ 65, 47.229,
135.422

■ 66, 36.716,
136.039

■ 67, 25.948,
136.619

■ 69, 15.090,
137.150

■ 70, 4.263, 137.646

■ 72, 6.447, 317.985

■ 73, 16.979,
318.357

Harmonies

Complementary

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



63, 74.577, 133.831



39, 76.470, 320.286

Rectangle

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



63, 74.577, 133.831



63, 74.577, 183.831



63, 74.577, 313.831



63, 74.577, 3.831

Sweetspot

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



63, 74.577, 133.832



86, 29.416, 136.707



60, 53.005, 87.801



45, 19.743, 136.563



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 74.577, 133.832



79, 102.184, 133.816



63, 67.228, 144.322



36, 6.111, 137.381



54, 78.702, 134.034



6, 13.056, 139.076

Inverse Universe

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



39, 76.470, 320.286



46, 104.018, 319.980



42, 64.975, 338.053



34, 6.150, 318.150



29, 79.820, 319.643



2, 12.610, 315.277

Previews

White Background



This preview shows how the CIELCh color 63, 74.577, 133.831 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 74.577, 133.831 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 74.577, 133.831

Background



This preview shows how black text looks on a background with the CIELCh color 63, 74.577, 133.831.



This preview shows how white text looks on a background with the CIELCh color 63, 74.577, 133.831.

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
63, 74.577, 133.831

Protanopia
63, 57.543, 95.507

Deuteranopia
63, 51.645, 80.952



Tritanopia
63, 20.774, 218.541

Trichromacy



Original Color
63, 74.577, 133.831



Protanomaly
62, 60.376, 114.386



Deuteranomaly
62, 53.113, 107.713



Tritanomaly
62, 34.453, 158.490

Monochromacy



Original Color
63, 74.577, 133.831



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 30.348, 136.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 74.577, 133.831 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(75, 173, 45)` looks like.

```
.text, #text, p{  
    color:rgb(75, 173, 45)  
}
```

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(75, 173, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 173, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 74.577, 133.831 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(75, 173, 45) }
```

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

```
.border{ border-color:rgb(75, 173, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 173, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 173, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 173, 45);  
box-shadow:4px 4px 4px 4px rgb(75, 173,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 74.577, 133.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 173, 45) }
```

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

```
.background{ background-color: rgb(75, 173,  
45) }
```

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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