

Converting Colors

CIELCh(63, 83.171, 49.469)

Have a look what the booklet for
CIELCh(63, 83.171, 49.469) contains.

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Color

CIELCh(63, 83.120, 49.374)

Conversions

Conversions Part 1

Format	Color
Hex	FF6924
RGB	255, 105, 36
RGB Percent	100%, 41%, 14%
CMY	0.0000, 0.5873, 0.8579
CMYK	0.00, 0.59, 0.86, 0.00
HSL	19°, 100%, 57%
HSV	19°, 86%, 100%
XYZ	46.7332, 31.5869, 5.3210
YIQ	141.9840, 111.5490, 10.3410

Conversions

Conversions Part 2

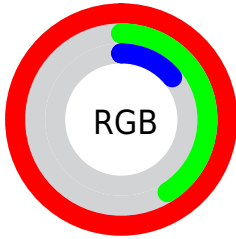
Format	Color
R _Y B	255, 137, 36
Decimal	16738596
CIE Lab	63.00, 54.12, 63.09
CIE LCh	63, 83.120, 49.374
Yxy	31.5869, 0.5587, 0.3776
Android (android.graphics.Color)	4294928676 (0xFFFF6924)
YUV	141.9840, -52.2501, 99.1150
Hunter-Lab	56.2022, 50.0722, 33.7282

Details

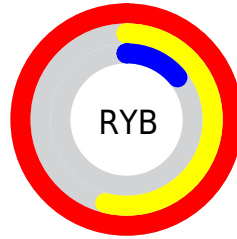
The CIELCh color **63, 83.120, 49.374** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **71, 46.438, 252.908**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 58.679, 60.254**, and **43, 77.504, 45.505** is the 20% darker color. If you saturate the color by 10%, you get **60, 91.557, 48.180**, and if you desaturate by 10%, it is **66, 72.374, 49.876**.

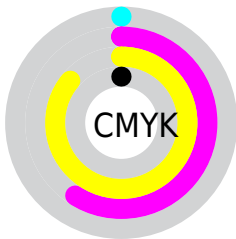
Distribution



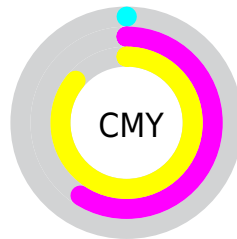
- Red (100%)
- Green (41%)
- Blue (14%)



- Red (100%)
- Yellow (54%)
- Blue (14%)



- Cyan (0%)
- Magenta (59%)
- Yellow (86%)
- Black (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 83.120, 49.374 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, 83.120, 49.374 by changing the saturation by 10% instead.

 63, 83.120, 49.374

 63, 83.120, 49.374

 100, 83.120,
49.374

 53, 83.120, 49.374

 83, 83.120, 49.374

 43, 83.120, 49.374

 93, 83.120, 49.374

 33, 83.120, 49.374

 23, 83.120, 49.374

 13, 83.120, 49.374

 3, 83.120, 49.374

 0, 83.120, 49.374

 63, 83.120, 49.374

 63, 83.120, 49.374

 60, 91.557, 48.180

 66, 72.374, 49.876

59, 94.456, 47.515

70, 61.149, 50.115

74, 50.123, 50.360

78, 39.634, 50.698

83, 29.806, 51.145

87, 20.664, 51.689

92, 12.179, 52.304

97, 4.303, 52.910

100, 0.012,
296.813

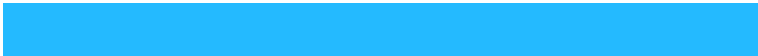
Harmonies

Complementary

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



63, 83.120, 49.374



71, 46.438, 252.908

Rectangle

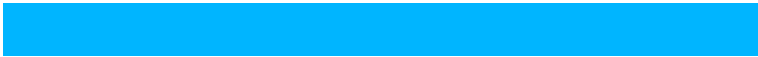
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 83.120, 49.374



63, 83.120, 99.374



63, 83.120, 229.374



63, 83.120, 279.374

Sweetspot

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



63, 83.018, 49.402



87, 20.847, 51.677



58, 90.649, 342.657



45, 14.322, 51.479



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 83.018, 49.402



59, 94.456, 47.515



86, 81.668, 89.697



51, 4.282, 52.701



45, 75.591, 48.105



13, 28.358, 45.006

Inverse Universe

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



71, 46.438, 252.908



68, 50.757, 260.046



43, 102.599, 299.122



51, 4.075, 234.341



52, 40.499, 259.070



16, 17.563, 251.930

Previews

White Background



This preview shows how the CIELCh color 63, 83.120, 49.374 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 CIELCh color 63, 83.120, 49.374 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, 83.120, 49.374

Background



This preview shows how black text looks on a background with the CIELCh color 63, 83.120, 49.374.



This preview shows how white text looks on a background with the CIELCh color 63, 83.120, 49.374.

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, 83.120, 49.374

Protanopia

63, 54.963, 95.471

Deuteranopia

63, 66.583, 83.222



Tritanopia
63, 65.326, 25.538

Trichromacy



Original Color
63, 83.120, 49.374

Protanomaly
62, 59.043, 72.664

Deuteranomaly
62, 69.931, 68.465

Tritanomaly
63, 70.467, 36.571

Monochromacy



Original Color
63, 83.120, 49.374

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 28.149, 50.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 83.120, 49.374 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(255, 105, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 36)  
}
```

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(255, 105, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 83.120, 49.374 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(255, 105, 36) }
```

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

```
.border{ border-color:rgb(255, 105, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 83.120, 49.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 36) }
```

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

```
.background{ background-color: rgb(255,  
105, 36) }
```

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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