

Converting Colors

CIELCh(70, 77.643, 69.647)

Have a look what the booklet for
CIELCh(70, 77.643, 69.647) contains.

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Color

CIELCh(70, 77.766, 69.757)

Conversions

Conversions Part 1

Format	Color
Hex	F3960F
RGB	243, 150, 15
RGB Percent	95%, 59%, 6%
CMY	0.0484, 0.4129, 0.9395
CMYK	0.00, 0.38, 0.94, 0.05
HSL	35°, 90%, 51%
HSV	35°, 94%, 95%
XYZ	47.7922, 40.7494, 5.8141
YIQ	162.4170, 98.7630, -22.2690

Conversions

Conversions Part 2

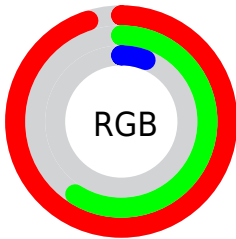
Format	Color
R_{YB}	172, 243, 15
Decimal	15963663
CIE Lab	70.00, 26.91, 72.96
CIE LCh	70, 77.766, 69.757
Yxy	40.7494, 0.5065, 0.4319
Android (android.graphics.Color)	4294153743 (0xFFFF3960F)
YUV	162.4170, -72.6766, 70.6713
Hunter-Lab	63.8353, 21.9278, 39.2846

Details

The CIELCh color **70, 77.766, 69.757** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **49, 78.553, 289.970**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 65.950, 84.988**, and **50, 64.462, 64.939** is the 20% darker color. If you saturate the color by 10%, you get **69, 79.978, 67.923**, and if you desaturate by 10%, it is **72, 72.414, 72.201**.

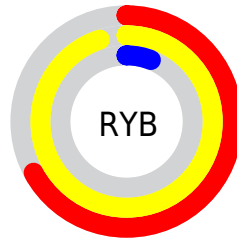
Distribution



Red (95%)

Green (59%)

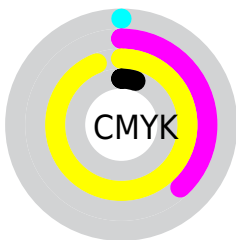
Blue (6%)



Red (67%)

Yellow (95%)

Blue (6%)

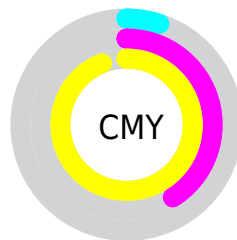


Cyan (0%)

Magenta (38%)

Yellow (94%)

Black (5%)



Cyan (5%)

Magenta (41%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 77.766, 69.757 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 70, 77.766, 69.757 by changing the saturation by 10% instead.

70, 77.766, 69.757

70, 77.766, 69.757

100, 77.766,
69.757

60, 77.766, 69.757

90, 77.766, 69.757

50, 77.766, 69.757

40, 77.766, 69.757

30, 77.766, 69.757

20, 77.766, 69.757

10, 77.766, 69.757

0, 77.766, 69.757

70, 77.766, 69.757

70, 77.766, 69.757

69, 79.978, 67.923

72, 72.414, 72.201

75, 64.874, 74.125

77, 56.164, 75.775

80, 46.998, 77.289

83, 37.775, 78.732

86, 28.695, 80.131

89, 19.848, 81.493

92, 11.268, 82.810

95, 2.955, 84.015

Harmonies

Complementary

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



70, 77.766, 69.757



49, 78.553, 289.970

Rectangle

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



70, 77.766, 69.757



70, 77.766, 119.757



70, 77.766, 249.757



70, 77.766, 299.757

Sweetspot

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



70, 77.764, 69.760



91, 24.646, 80.894



52, 80.247, 7.853



47, 17.131, 80.303



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 77.764, 69.760



72, 83.060, 67.822



92, 92.579, 107.869



50, 4.695, 83.338



54, 65.468, 68.545



16, 24.971, 70.877

Inverse Universe

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



49, 78.553, 289.970



48, 87.815, 292.607



32, 125.351, 306.205



48, 4.651, 265.913



35, 67.916, 291.799



9, 26.021, 285.336

Previews

White Background



This preview shows how the CIELCh color 70, 77.766, 69.757 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 70, 77.766, 69.757 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 70, 77.766, 69.757

Background



This preview shows how black text looks on a background with the CIELCh color 70, 77.766, 69.757.



This preview shows how white text looks on a background with the CIELCh color 70, 77.766, 69.757.

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

70, 77.914, 69.806

Protanopia

70, 69.355, 95.283

Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 44.276, 17.245

Trichromacy



Original Color
70, 77.914, 69.806

Protanomaly
70, 70.410, 85.308

Deuteranomaly
70, 74.837, 78.172

Tritanomaly
70, 52.841, 48.395

Monochromacy



Original Color
70, 77.914, 69.806

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 30.659, 79.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 77.766, 69.757 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(243, 150, 15)` looks like.

```
.text, #text, p{  
    color:rgb(243, 150, 15)  
}
```

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(243, 150, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 150, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 77.766, 69.757 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(243, 150, 15) }
```

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

```
.border{ border-color:rgb(243, 150, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 150, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 150, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 150, 15);  
box-shadow:4px 4px 4px 4px rgb(243, 150,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 77.766, 69.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 150, 15) }
```

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

```
.background{ background-color: rgb(243,  
150, 15) }
```

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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