

Converting Colors

CIELCh(75, 71.719, 71.007)

Have a look what the booklet for
CIELCh(75, 71.719, 71.007) contains.

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Color

CIELCh(75, 71.971, 70.986)

Conversions

Conversions Part 1

Format	Color
Hex	FDA633
RGB	253, 166, 51
RGB Percent	99%, 65%, 20%
CMY	0.0087, 0.3498, 0.8008
CMYK	0.00, 0.34, 0.80, 0.01
HSL	34°, 98%, 60%
HSV	34°, 80%, 99%
XYZ	54.6180, 48.2781, 9.5472
YIQ	178.9030, 88.7670, -17.3210

Conversions

Conversions Part 2

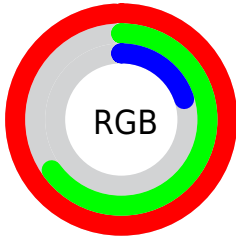
Format	Color
RYB	204, 253, 51
Decimal	16623155
CIELab	75.00, 23.45, 68.04
CIElCh	75, 71.971, 70.986
Yxy	48.2781, 0.4857, 0.4294
Android (android.graphics.Color)	4294813235 (0xFFFFDA633)
YUV	178.9030, -63.0562, 64.9831
Hunter-Lab	69.4824, 18.7189, 40.4910

Details

The CIELCh color **75, 71.971, 70.986** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **58, 66.091, 282.632**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 59.700, 91.340**, and **55, 66.674, 69.018** is the 20% darker color. If you saturate the color by 10%, you get **72, 78.698, 68.756**, and if you desaturate by 10%, it is **78, 63.445, 72.781**.

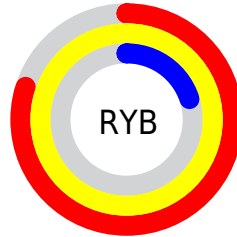
Distribution



Red (99%)

Green (65%)

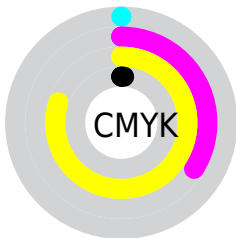
Blue (20%)



Red (80%)

Yellow (99%)

Blue (20%)

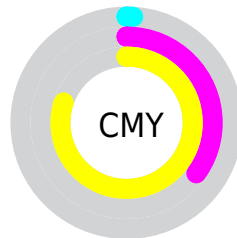


Cyan (0%)

Magenta (34%)

Yellow (80%)

Black (1%)



Cyan (1%)

Magenta (35%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 71.971, 70.986 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 75, 71.971, 70.986 by changing the saturation by 10% instead.

75, 71.971, 70.986

75, 71.971, 70.986

100, 71.971,
70.986

65, 71.971, 70.986

95, 71.971, 70.986

55, 71.971, 70.986

45, 71.971, 70.986

35, 71.971, 70.986

25, 71.971, 70.986

15, 71.971, 70.986

5, 71.971, 70.986

0, 71.971, 70.986

75, 71.971, 70.986

75, 71.971, 70.986

72, 78.698, 68.756

78, 63.445, 72.781

70, 82.894, 65.882

80, 54.102, 74.354

70, 82.930, 65.856

83, 44.538, 75.821

86, 35.064, 77.233

90, 25.828, 78.609

93, 16.887, 79.949

96, 8.252, 81.240

99, 0.086, 266.887

100, 0.775,
200.211

Harmonies

Complementary

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



75, 71.971, 70.986



58, 66.091, 282.632

Rectangle

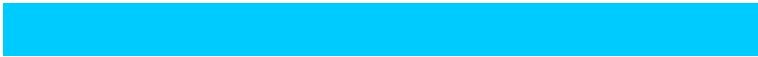
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 71.971, 70.986



75, 71.971, 120.986



75, 71.971, 250.986



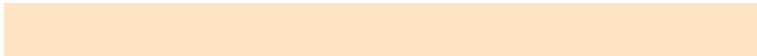
75, 71.971, 300.986

Sweetspot

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



75, 71.970, 70.989



92, 20.657, 79.404



57, 78.046, 0.794



48, 14.282, 78.924



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 71.970, 70.989



72, 82.003, 67.031



95, 89.504, 106.944



52, 4.766, 81.290



54, 67.117, 66.511



17, 27.177, 68.814

Inverse Universe

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



58, 66.091, 282.632



51, 80.768, 289.397



39, 116.426, 304.648



50, 4.708, 263.881



38, 66.737, 290.267



10, 26.880, 284.287

Previews

White Background



This preview shows how the CIELCh color 75, 71.971, 70.986 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 75, 71.971, 70.986 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 75, 71.971, 70.986

Background



This preview shows how black text looks on a background with the CIELCh color 75, 71.971, 70.986.



This preview shows how white text looks on a background with the CIELCh color 75, 71.971, 70.986.

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

75, 71.971, 70.986

Protanopia

75, 64.715, 95.297

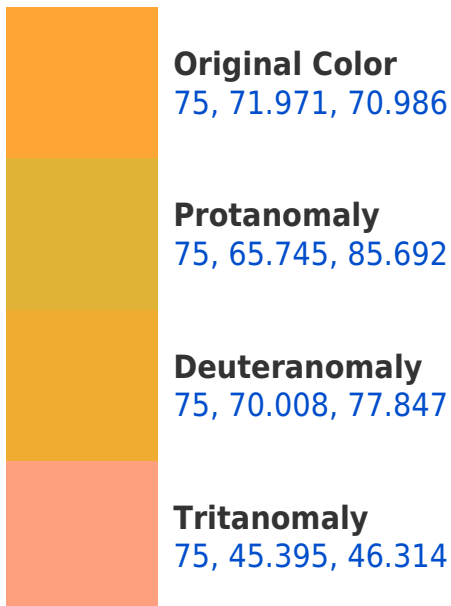
Deuteranopia

75, 69.343, 82.036



Tritanopia
75, 39.026, 14.676

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 71.971, 70.986 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(253, 166, 51)` looks like.

```
.text, #text, p{  
    color:rgb(253, 166, 51)  
}
```

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(253, 166, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 166, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 71.971, 70.986 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(253, 166, 51) }
```

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

```
.border{ border-color:rgb(253, 166, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 166, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 166, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 166, 51);  
box-shadow:4px 4px 4px 4px rgb(253, 166,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 71.971, 70.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 166, 51) }
```

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

```
.background{ background-color: rgb(253,  
166, 51) }
```

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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