

Converting Colors

CIELCh(75, 53.030, 58.796)

Have a look what the booklet for
CIELCh(75, 53.030, 58.796) contains.

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Color

CIELCh(75, 52.859, 58.537)

Conversions

Conversions Part 1

Format	Color
Hex	FDA366
RGB	253, 163, 102
RGB Percent	99%, 64%, 40%
CMY	0.0060, 0.3591, 0.5985
CMYK	0.00, 0.36, 0.60, 0.01
HSL	24°, 98%, 70%
HSV	24°, 60%, 99%
XYZ	56.2668, 48.2781, 19.0239
YIQ	182.9560, 73.2210, 0.1090

Conversions

Conversions Part 2

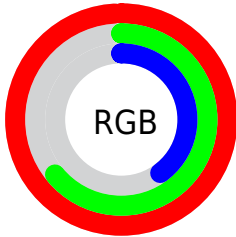
Format	Color
R _Y B	253, 204, 102
Decimal	16622438
CIE Lab	75.00, 27.59, 45.09
CIE LCh	75, 52.859, 58.537
Yxy	48.2781, 0.4553, 0.3907
Android (android.graphics.Color)	4294812518 (0xFFFDA366)
YUV	182.9560, -39.9113, 61.4286
Hunter-Lab	69.4824, 22.9547, 32.4044

Details

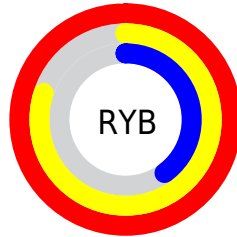
The CIELCh color **75, 52.859, 58.537** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **75, 39.327, 256.103**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 36.524, 83.106**, and **55, 52.575, 58.653** is the 20% darker color. If you saturate the color by 10%, you get **71, 63.311, 57.627**, and if you desaturate by 10%, it is **79, 42.686, 59.436**.

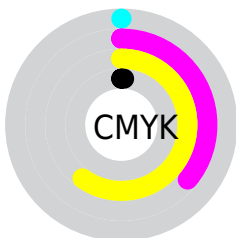
Distribution



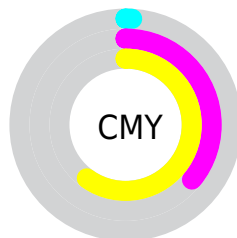
- Red (99%)
- Green (64%)
- Blue (40%)



- Red (99%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (1%)



- Cyan (1%)
- Magenta (36%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 52.859, 58.537 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, 52.859, 58.537 by changing the saturation by 10% instead.

 75, 52.859, 58.537

 75, 52.859, 58.537

 100, 52.859,
58.537

 65, 52.859, 58.537

 95, 52.859, 58.537

 55, 52.859, 58.537

 45, 52.859, 58.537

 35, 52.859, 58.537

 25, 52.859, 58.537

 15, 52.859, 58.537

 5, 52.859, 58.537

 0, 52.859, 58.537

 75, 52.859, 58.537

 75, 52.859, 58.537

71, 63.311, 57.627

79, 42.686, 59.436

68, 73.553, 56.559

83, 33.004, 60.360

65, 82.583, 55.035

87, 23.879, 61.324

62, 89.218, 52.721

91, 15.311, 62.316

62, 89.466, 52.635

95, 7.267, 63.306

100, 0.297,
246.190

100, 0.532,
200.617

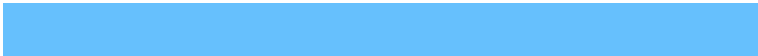
Harmonies

Complementary

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



75, 52.859, 58.537



75, 39.327, 256.103

Rectangle

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



75, 52.859, 58.537



75, 52.859, 108.537



75, 52.859, 238.537



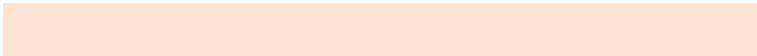
75, 52.859, 288.537

Sweetspot

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



75, 52.858, 58.541



92, 14.054, 62.476



65, 69.049, 344.566



48, 9.857, 62.185



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, 52.858, 58.541



71, 66.135, 57.391



93, 66.840, 99.419



51, 4.321, 63.315



48, 71.990, 53.305



14, 27.431, 52.563

Inverse Universe

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



75, 39.327, 256.103



71, 46.202, 260.680



55, 77.531, 295.997



51, 4.163, 245.527



47, 47.931, 273.021



14, 20.031, 265.847

Previews

White Background



This preview shows how the CIELCh color 75, 52.859, 58.537 looks on a white background.

Color Contrast Check

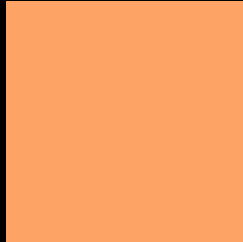
Large Text (above 18pt) WCAG AA × Fail

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, 52.859, 58.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

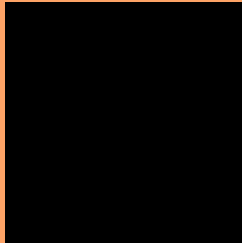
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 52.859, 58.537

Background



This preview shows how black text looks on a background with the CIELCh color 75, 52.859, 58.537.



This preview shows how white text looks on a background with the CIELCh color 75, 52.859, 58.537.

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, 52.859, 58.537

Protanopia

75, 40.326, 95.991

Deuteranopia

75, 46.691, 77.654



Tritanopia
75, 39.026, 14.676

Trichromacy



Original Color
75, 52.859, 58.537

Protanomaly
75, 42.306, 79.713

Deuteranomaly
75, 48.221, 69.568

Tritanomaly
75, 40.631, 34.015

Monochromacy



Original Color
75, 52.859, 58.537

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 17.929, 61.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 52.859, 58.537 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, 163, 102)` looks like.

```
.text, #text, p{  
    color:rgb(253, 163, 102)  
}
```

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, 163, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 163, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 52.859, 58.537 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, 163, 102) }
```

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

```
.border{ border-color:rgb(253, 163, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 163, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 163, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 163, 102);  
box-shadow:4px 4px 4px 4px rgb(253, 163,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 52.859, 58.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 163, 102) }
```

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

```
.background{ background-color: rgb(253,  
163, 102) }
```

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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