

Converting Colors

CIELCh(73, 56.893, 66.616)

Have a look what the booklet for
CIELCh(73, 56.893, 66.616) contains.

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Color

CIELCh(73, 56.751, 66.708)

Conversions

Conversions Part 1

Format	Color
Hex	F2A253
RGB	242, 162, 83
RGB Percent	95%, 64%, 33%
CMY	0.0524, 0.3659, 0.6757
CMYK	0.00, 0.33, 0.66, 0.05
HSL	30°, 86%, 64%
HSV	30°, 66%, 95%
XYZ	50.9099, 45.1644, 14.1575
YIQ	176.9140, 73.0390, -7.6090

Conversions

Conversions Part 2

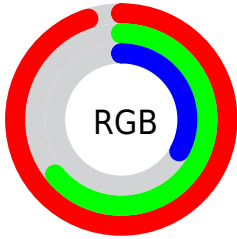
Format	Color
R _Y B	242, 240, 83
Decimal	15901267
CIE Lab	73.00, 22.44, 52.13
CIE LCh	73, 56.751, 66.708
Yxy	45.1644, 0.4618, 0.4097
Android (android.graphics.Color)	4294091347 (0xFFFF2A253)
YUV	176.9140, -46.2996, 57.0804
Hunter-Lab	67.2044, 17.6127, 34.5529

Details

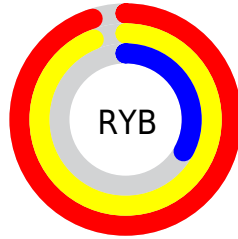
The CIELCh color **73, 56.751, 66.708** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **65, 46.756, 269.836**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 45.227, 86.205**, and **53, 56.468, 66.709** is the 20% darker color. If you saturate the color by 10%, you get **70, 65.965, 65.220**, and if you desaturate by 10%, it is **76, 47.290, 68.057**.

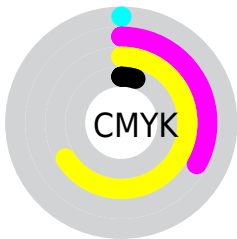
Distribution



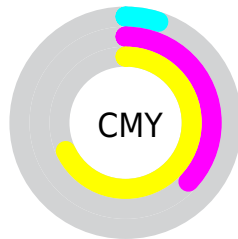
- Red (95%)
- Green (64%)
- Blue (33%)



- Red (95%)
- Yellow (94%)
- Blue (33%)



- Cyan (0%)
- Magenta (33%)
- Yellow (66%)
- Black (5%)



- Cyan (5%)
- Magenta (37%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 56.751, 66.708 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 73, 56.751, 66.708 by changing the saturation by 10% instead.

73, 56.751, 66.708

73, 56.751, 66.708

100, 56.751,
66.708

63, 56.751, 66.708

93, 56.751, 66.708

53, 56.751, 66.708

43, 56.751, 66.708

33, 56.751, 66.708

23, 56.751, 66.708

13, 56.751, 66.708

3, 56.751, 66.708

0, 56.751, 66.708

73, 56.751, 66.708

73, 56.751, 66.708

70, 65.965, 65.220

76, 47.290, 68.057

67, 74.173, 63.385

79, 37.977, 69.348

65, 80.217, 60.857

83, 28.986, 70.620

64, 82.236, 59.656

86, 20.384, 71.880

90, 12.178, 73.120

93, 4.350, 74.294

97, 3.128, 255.739

99, 4.605, 199.257

Harmonies

Complementary

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



73, 56.751, 66.708



65, 46.756, 269.836

Rectangle

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



73, 56.751, 66.708



73, 56.751, 116.708



73, 56.751, 246.708



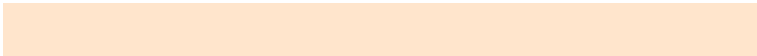
73, 56.751, 296.708

Sweetspot

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



73, 56.750, 66.712



93, 16.295, 72.592



60, 68.620, 350.778



48, 11.193, 72.242



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 56.750, 66.712



73, 71.834, 64.640



92, 74.586, 103.349



48, 4.292, 73.878



49, 66.680, 60.364



14, 23.415, 60.895

Inverse Universe

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



65, 46.756, 269.836



63, 58.079, 275.203



45, 91.339, 300.490



48, 4.196, 256.391



40, 56.065, 283.751



10, 21.265, 276.012

Previews

White Background



This preview shows how the CIELCh color 73, 56.751, 66.708 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 73, 56.751, 66.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

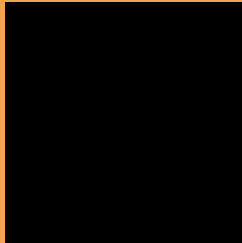
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 56.751, 66.708

Background



This preview shows how black text looks on a background with the CIELCh color 73, 56.751, 66.708.



This preview shows how white text looks on a background with the CIELCh color 73, 56.751, 66.708.

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





Tritanopia
73, 37.615, 14.236

Trichromacy



Original Color
73, 56.751, 66.708

Protanomaly
73, 49.964, 83.673

Deuteranomaly
73, 54.370, 75.365

Tritanomaly
73, 39.940, 39.486

Monochromacy



Original Color
73, 56.751, 66.708

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 19.656, 70.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 56.751, 66.708 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(242, 162, 83)` looks like.

```
.text, #text, p{  
    color:rgb(242, 162, 83)  
}
```

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(242, 162, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 162, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 56.751, 66.708 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(242, 162, 83) }
```

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

```
.border{ border-color:rgb(242, 162, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 162, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 162, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 162, 83);  
box-shadow:4px 4px 4px 4px rgb(242, 162,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 56.751, 66.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 162, 83) }
```

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

```
.background{ background-color: rgb(242,  
162, 83) }
```

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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