

# Converting Colors

CIELCh(75, 56.437, 70.881)

Have a look what the booklet for  
CIELCh(75, 56.437, 70.881) contains.

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# Color

**CIELCh(75, 56.354, 71.012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2AA55
RGB	242, 170, 85
RGB Percent	95%, 67%, 33%
CMY	0.0510, 0.3333, 0.6667
CMYK	0.00, 0.30, 0.65, 0.05
HSL	32°, 86%, 64%
HSV	32°, 65%, 95%
XYZ	52.6276, 48.2781, 15.1378
YIQ	181.8380, 70.1970, -11.1710

# Conversions

## Conversions Part 2

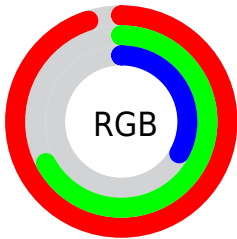
Format	Color
R <sub>Y</sub> B	218, 242, 85
Decimal	15903317
CIE Lab	75.00, 18.34, 53.29
CIE LCh	75, 56.354, 71.012
Yxy	48.2781, 0.4535, 0.4160
Android (android.graphics.Color)	4294093397 (0xFFFF2AA55)
YUV	181.8380, -47.7411, 52.7621
Hunter-Lab	69.4824, 13.6056, 35.7205

# Details

The CIELCh color **75, 56.354, 71.012** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **64, 49.401, 274.192**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 46.667, 91.096**, and **55, 56.441, 71.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 65.284, 69.410**, and if you desaturate by 10%, it is **78, 47.074, 72.474**.

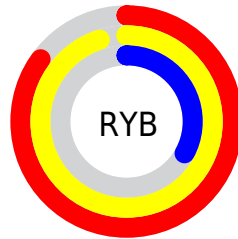
# Distribution



Red (95%)

Green (67%)

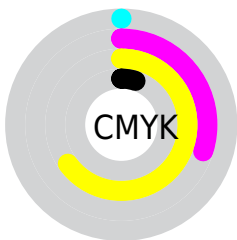
Blue (33%)



Red (85%)

Yellow (95%)

Blue (33%)

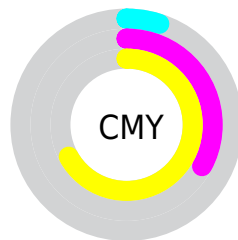


Cyan (0%)

Magenta (30%)

Yellow (65%)

Black (5%)



Cyan (5%)

Magenta (33%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 56.354, 71.012 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, 56.354, 71.012 by changing the saturation by 10% instead.



75, 56.354, 71.012

75, 56.354, 71.012

100, 56.354,  
71.012

65, 56.354, 71.012

95, 56.354, 71.012

55, 56.354, 71.012

45, 56.354, 71.012

35, 56.354, 71.012

25, 56.354, 71.012

15, 56.354, 71.012

5, 56.354, 71.012

0, 56.354, 71.012

75, 56.354, 71.012

75, 56.354, 71.012

72, 65.284, 69.410

78, 47.074, 72.474

70, 73.126, 67.486

81, 37.842, 73.866

67, 78.792, 64.944

84, 28.847, 75.223

66, 80.904, 63.436

87, 20.165, 76.552

91, 11.816, 77.849

94, 3.792, 79.059

97, 3.929, 260.502

99, 4.486, 199.269

# Harmonies

# Complementary

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



75, 56.354, 71.012



64, 49.401, 274.192

# Rectangle

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



75, 56.354, 71.012



75, 56.354, 121.012



75, 56.354, 251.012



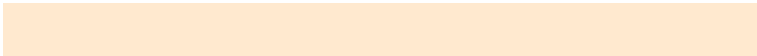
75, 56.354, 301.012

# Sweetspot

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



75, 56.353, 71.016



93, 15.880, 77.312



60, 66.567, 354.022



49, 10.993, 76.940



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, 56.353, 71.016



75, 70.829, 68.814



93, 74.880, 105.902



48, 4.429, 78.525



51, 65.600, 64.131



14, 23.488, 65.593





# Inverse Universe

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



64, 49.401, 274.192



61, 61.900, 279.306



46, 91.546, 301.380



48, 4.358, 261.092



38, 61.199, 287.854



9, 22.997, 280.527



# Previews

## White Background



This preview shows how the CIELCh color 75, 56.354, 71.012 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, 56.354, 71.012 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, 56.354, 71.012**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 56.354, 71.012.



This preview shows how white text looks on a background with the CIELCh color 75, 56.354, 71.012.

# 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**  
75, 34.978, 12.326



# Trichromacy



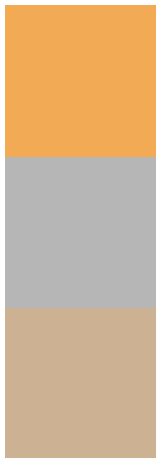
**Original Color**  
75, 56.354, 71.012

**Protanomaly**  
75, 51.277, 86.417

**Deuteranomaly**  
75, 55.117, 76.536

**Tritanomaly**  
75, 37.170, 42.014

# Monochromacy



**Original Color**  
75, 56.354, 71.012

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 19.858, 76.425

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 56.354, 71.012 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, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 85)  
}
```

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, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 85) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 56.354, 71.012 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, 170, 85) }
```

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

```
.border{ border-color:rgb(242, 170, 85) }
```

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

Here you see how a box with a 4 pixel rgb(242, 170, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
85) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 56.354, 71.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 85) }
```

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

```
.background{ background-color: rgb(242,  
170, 85) }
```

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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