

# Converting Colors

CIELCh(75, 31.234, 2.462)

Have a look what the booklet for  
CIELCh(75, 31.234, 2.462) contains.

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# **Color**

**CIELCh(75, 31.238, 2.506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0A3B7
RGB	240, 163, 183
RGB Percent	94%, 64%, 72%
CMY	0.0578, 0.3598, 0.2814
CMYK	0.00, 0.32, 0.24, 0.06
HSL	344°, 72%, 79%
HSV	344°, 32%, 94%
XYZ	57.7342, 48.2781, 51.2057
YIQ	188.3030, 39.4720, 22.5440

# Conversions

## Conversions Part 2

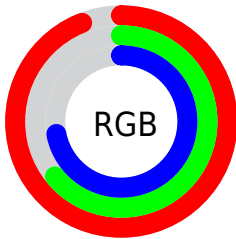
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 163, 183
Decimal	15770551
CIE Lab	75.00, 31.21, 1.37
CIE LCh	75, 31.238, 2.506
Yxy	48.2781, 0.3672, 0.3071
Android (android.graphics.Color)	4293960631 (0xFFFF0A3B7)
YUV	188.3030, -2.6144, 45.3383
Hunter-Lab	69.4824, 26.7246, 4.9434

# Details

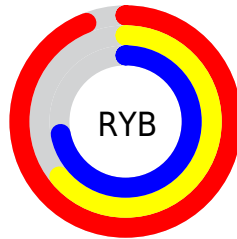
The CIELCh color  $75, 31.238, 2.506$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $90, 27.952, 175.648$ , and the grayscale version is  $76, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 16.535, 341.900$ , and  $55, 31.563, 2.616$  is the 20% darker color. If you saturate the color by 10%, you get  $69, 41.476, 4.175$ , and if you desaturate by 10%, it is  $81, 21.113, 1.128$ .

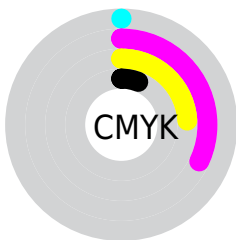
# Distribution



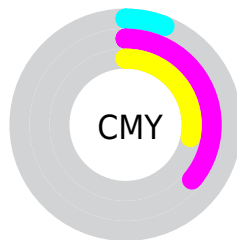
- Red (94%)
- Green (64%)
- Blue (72%)



- Red (94%)
- Yellow (64%)
- Blue (72%)



- Cyan (0%)
- Magenta (32%)
- Yellow (24%)
- Black (6%)




- Cyan (6%)
- Magenta (36%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 31.238, 2.506 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, 31.238, 2.506 by changing the saturation by 10% instead.



 75, 31.238, 2.506       75, 31.238, 2.506

 100, 31.238, 2.506       65, 31.238, 2.506

 95, 31.238, 2.506       55, 31.238, 2.506

 45, 31.238, 2.506

 35, 31.238, 2.506

 25, 31.238, 2.506

 15, 31.238, 2.506

 5, 31.238, 2.506

 0, 31.238, 2.506

 75, 31.238, 2.506

 75, 31.238, 2.506

69, 41.476, 4.175

81, 21.113, 1.128

64, 51.541, 6.233

87, 11.296,  
359.949

60, 61.029, 8.819

94, 1.885, 358.708

56, 69.495, 12.103

99, 5.095, 195.716

53, 76.601, 16.240

99, 5.075, 199.214

51, 82.312, 21.284

51, 86.235, 25.692

# Harmonies

# Complementary

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



75, 31.238, 2.506



90, 27.952, 175.648

# Rectangle

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



75, 31.238, 2.506



75, 31.238, 52.506



75, 31.238, 182.506



75, 31.238, 232.506

# Sweetspot

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



75, 31.235, 2.509



93, 9.789, 359.727



75, 45.750, 318.166



49, 6.700, 359.882



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, 31.235, 2.509



76, 39.177, 3.480



79, 25.815, 42.618



47, 5.284, 359.666



38, 69.971, 24.630



8, 28.849, 12.609





# Inverse Universe

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



75, 31.235, 2.509



76, 39.177, 3.480



85, 20.742, 225.576



47, 5.284, 359.666



38, 69.971, 24.630



8, 28.849, 12.609



# Previews

## White Background



This preview shows how the CIELCh color 75, 31.238, 2.506 looks on a white background.

## Color Contrast Check

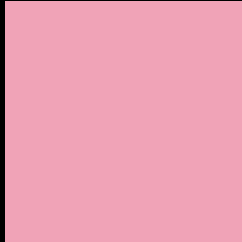
Large Text (above 18pt) WCAG AA × Fail

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, 31.238, 2.506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

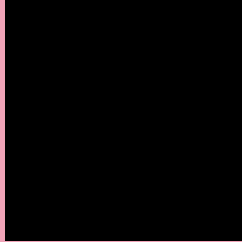
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 31.238, 2.506

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 31.238, 2.506.



This preview shows how white text looks on a background with the CIELCh color 75, 31.238, 2.506.

# 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, 31.238, 2.506

### Protanopia

75, 5.960, 294.232

### Deuteranopia

75, 9.931, 17.103



**Tritanopia**  
75, 30.218, 9.066



# Trichromacy



**Original Color**  
75, 31.238, 2.506



**Protanomaly**  
75, 13.525, 343.890



**Deuteranomaly**  
75, 17.753, 7.030

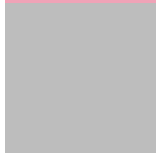


**Tritanomaly**  
75, 30.348, 7.073

# Monochromacy



**Original Color**  
75, 31.238, 2.506



**Achromatopsia**  
77, 0.009, 296.813



**Achromatomaly**  
76, 11.209, 0.792

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 31.238, 2.506 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(240, 163, 183)` looks like.

```
.text, #text, p{  
    color:rgb(240, 163, 183)  
}
```

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(240, 163, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 163, 183) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 31.238, 2.506 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(240, 163, 183) }
```

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

```
.border{ border-color:rgb(240, 163, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 163, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 163, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 163, 183);  
box-shadow:4px 4px 4px 4px rgb(240, 163,  
183) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 31.238, 2.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 163, 183) }
```

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

```
.background{ background-color: rgb(240,  
163, 183) }
```

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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