

# Converting Colors

CIELCh(78, 73.106, 104.591)

Have a look what the booklet for  
CIELCh(78, 73.106, 104.591)  
contains.

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**Color**

**CIELCh(78, 73.264, 104.517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5C82C
RGB	197, 200, 44
RGB Percent	77%, 78%, 17%
CMY	0.2285, 0.2166, 0.8286
CMYK	0.02, 0.00, 0.78, 0.22
HSL	61°, 64%, 48%
HSV	61°, 78%, 78%
XYZ	44.0061, 53.2120, 10.3052
YIQ	181.3190, 48.2880, -49.1520

# Conversions

## Conversions Part 2

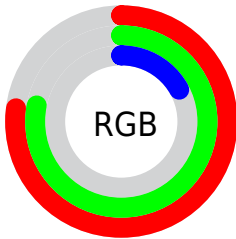
<b>Format</b>	<b>Color</b>
<b>RYB</b>	44, 200, 47
Decimal	12961836
CIELab	78.00, -18.36, 70.92
CIELCh	78, 73.264, 104.517
Yxy	53.2120, 0.4093, 0.4949
Android (android.graphics.Color)	4291151916 (0xFFC5C82C)
YUV	181.3190, -67.6983, 13.7522
Hunter-Lab	72.9466, -19.9736, 42.6867

# Details

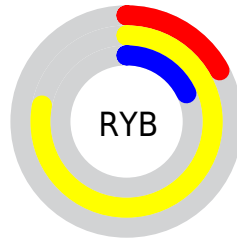
The CIELCh color **78, 73.264, 104.517** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **31, 94.700, 303.667**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 72.453, 104.640**, and **58, 64.069, 105.757** is the 20% darker color. If you saturate the color by 10%, you get **78, 77.840, 104.192**, and if you desaturate by 10%, it is **78, 66.698, 105.046**.

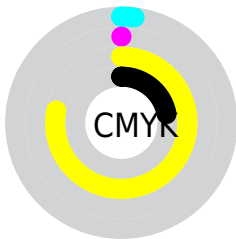
# Distribution



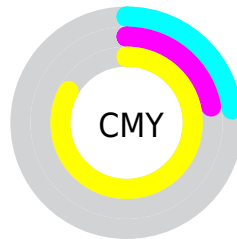
- Red (77%)
- Green (78%)
- Blue (17%)



- Red (17%)
- Yellow (78%)
- Blue (18%)



- Cyan (2%)
- Magenta (0%)
- Yellow (78%)
- Black (22%)




- Cyan (23%)
- Magenta (22%)
- Yellow (83%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 73.264, 104.517 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 78, 73.264, 104.517 by changing the saturation by 10% instead.





 78, 73.264,  
104.517


 78, 73.264,  
104.517


 100, 73.264,  
104.517


 68, 73.264,  
104.517


 98, 73.264,  
104.517

 58, 73.264,  
104.517

 48, 73.264,  
104.517

 38, 73.264,  
104.517

 28, 73.264,  
104.517

 18, 73.264,  
104.517

 8, 73.264, 104.517

0, 73.264, 104.517

78, 73.264,  
104.517

78, 73.264,  
104.517

78, 77.840,  
104.192

78, 66.698,  
105.046

78, 80.295,  
104.072

78, 58.622,  
105.732

78, 80.665,  
104.058

79, 49.512,  
106.531

79, 39.740,  
107.403

79, 29.562,  
108.319

80, 19.145,  
109.252

■ 80, 8.599, 110.184

■ 81, 2.006, 291.141

■ 81, 12.622,  
292.015

# Harmonies

# Complementary

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



78, 73.264, 104.517



31, 94.700, 303.667

# Rectangle

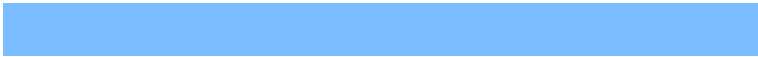
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 73.264, 104.517



78, 73.264, 154.517



78, 73.264, 284.517



78, 73.264, 334.517

# Sweetspot

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



78, 73.264, 104.519



99, 29.560, 108.765



45, 71.041, 33.726



52, 20.418, 108.423



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



78, 73.264, 104.519



97, 95.854, 104.092



73, 80.919, 126.991



42, 5.983, 110.068



65, 69.424, 104.041



13, 20.295, 107.141



# Inverse Universe

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



31, 94.700, 303.667



33, 131.015, 305.966



38, 90.397, 313.002



38, 6.116, 291.874



19, 95.724, 306.354



1, 21.517, 292.258



# Previews

## White Background



This preview shows how the CIELCh color 78, 73.264, 104.517 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 CIE LCh color 78, 73.264, 104.517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

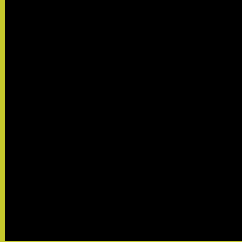
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 73.264, 104.517

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 73.264, 104.517.



This preview shows how white text looks on a background with the CIELCh color 78, 73.264, 104.517.

# 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**  
78, 73.264, 104.517

**Protanopia**  
78, 72.268, 95.022

**Deuteranopia**  
78, 70.481, 81.893





**Tritanopia**  
78, 11.968, 338.301

# Trichromacy



**Original Color**  
78, 73.264, 104.517

**Protanomaly**  
78, 72.131, 98.235

**Deuteranomaly**  
78, 70.057, 90.121

**Tritanomaly**  
77, 25.639, 95.014

# Monochromacy



**Original Color**  
78, 73.264, 104.517

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
75, 30.294, 108.046

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 73.264, 104.517 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(197, 200, 44)` looks like.

```
.text, #text, p{  
    color:rgb(197, 200, 44)  
}
```

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(197, 200, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 200, 44) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 73.264, 104.517 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(197, 200, 44) }
```

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

```
.border{ border-color:rgb(197, 200, 44) }
```

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

Here you see how a box with a 4 pixel rgb(197, 200, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 200, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 200, 44);  
box-shadow:4px 4px 4px 4px rgb(197, 200,  
44) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 73.264, 104.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 200, 44) }
```

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

```
.background{ background-color: rgb(197,  
200, 44) }
```

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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