

# Converting Colors

CIELCh(78, 28.735, 95.259)

Have a look what the booklet for  
CIELCh(78, 28.735, 95.259) contains.

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# Color

**CIELCh(78, 28.761, 95.240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0C18C
RGB	208, 193, 140
RGB Percent	82%, 76%, 55%
CMY	0.1858, 0.2446, 0.4524
CMYK	0.00, 0.07, 0.33, 0.19
HSL	47°, 42%, 68%
HSV	47°, 33%, 81%
XYZ	49.5991, 53.2120, 32.3305
YIQ	191.4430, 25.9530, -13.3030

# Conversions

## Conversions Part 2

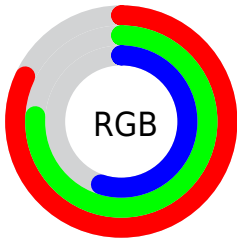
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 208, 140
Decimal	13681036
CIELab	78.00, -2.63, 28.64
CIELCh	78, 28.761, 95.240
Yxy	53.2120, 0.3670, 0.3937
Android (android.graphics.Color)	4291871116 (0xFFD0C18C)
YUV	191.4430, -25.3614, 14.5205
Hunter-Lab	72.9466, -6.2875, 24.7848

# Details

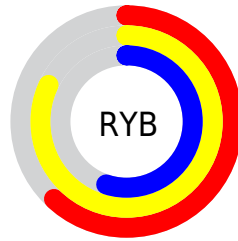
The CIELCh color **78, 28.761, 95.240** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **64, 29.729, 283.948**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 27.938, 103.329**, and **58, 29.110, 95.369** is the 20% darker color. If you saturate the color by 10%, you get **76, 37.550, 93.992**, and if you desaturate by 10%, it is **80, 19.923, 96.471**.

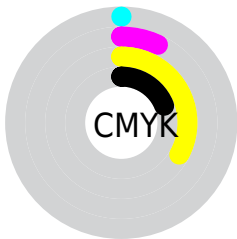
# Distribution



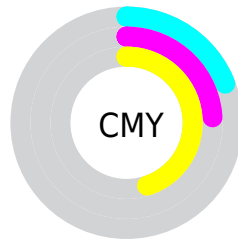
- Red (82%)
- Green (76%)
- Blue (55%)



- Red (62%)
- Yellow (82%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)
- Black (19%)



- Cyan (19%)
- Magenta (24%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 28.761, 95.240 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, 28.761, 95.240 by changing the saturation by 10% instead.



 78, 28.761, 95.240

 78, 28.761, 95.240

 100, 28.761,  
95.240

 68, 28.761, 95.240

 98, 28.761, 95.240

 58, 28.761, 95.240

 48, 28.761, 95.240

 38, 28.761, 95.240

 28, 28.761, 95.240

 18, 28.761, 95.240

 8, 28.761, 95.240

 0, 28.761, 95.240

 78, 28.761, 95.240

 78, 28.761, 95.240

76, 37.550, 93.992

80, 19.923, 96.471

75, 46.143, 92.716

81, 11.111, 97.662

74, 54.292, 91.418

83, 2.369, 98.764

72, 61.587, 90.085

85, 6.283, 279.983

71, 67.422, 88.682

86, 14.835,  
281.039

70, 71.095, 87.141

88, 18.594,  
278.869

69, 72.505, 85.923

89, 16.630,  
271.632

90, 14.992,  
262.709

91, 13.792,  
252.000

# Harmonies

# Complementary

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



78, 28.761, 95.240



64, 29.729, 283.948

# Rectangle

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



78, 28.761, 95.240



78, 28.761, 145.240



78, 28.761, 275.240



78, 28.761, 325.240

# Sweetspot

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



78, 28.762, 95.245



98, 10.291, 97.965



65, 28.152, 4.505



52, 7.027, 97.801



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, 28.762, 95.245



93, 40.501, 94.404



81, 36.189, 118.543



43, 4.968, 98.046



57, 62.099, 86.210



13, 18.583, 89.850





# Inverse Universe

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



64, 29.729, 283.948



73, 42.270, 285.271



62, 38.784, 302.960



41, 5.018, 280.308



24, 83.261, 301.544



3, 21.709, 287.342



# Previews

## White Background



This preview shows how the CIELCh color 78, 28.761, 95.240 looks on a white background.

## Color Contrast Check

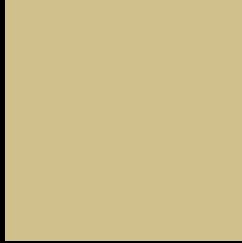
Large Text (above 18pt) WCAG AA × Fail

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 78, 28.761, 95.240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

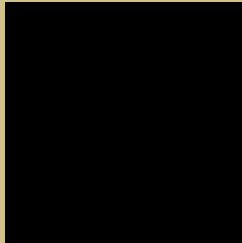
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 28.761, 95.240

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 28.761, 95.240.



This preview shows how white text looks on a background with the CIELCh color 78, 28.761, 95.240.

# 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, 28.761, 95.240

### Protanopia

78, 28.672, 96.043

### Deuteranopia

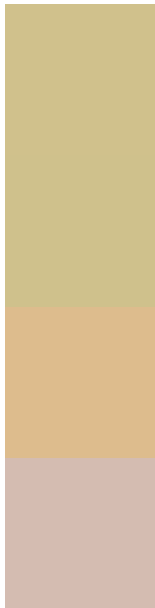
78, 29.759, 71.227



**Tritanopia**  
78, 13.417, 346.686



# Trichromacy



**Original Color**  
78, 28.761, 95.240

**Protanomaly**  
78, 28.672, 96.043

**Deuteranomaly**  
78, 28.657, 79.479

**Tritanomaly**  
78, 10.984, 52.139

# Monochromacy



**Original Color**  
78, 28.761, 95.240

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
78, 10.833, 98.953

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 28.761, 95.240 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(208, 193, 140)` looks like.

```
.text, #text, p{  
    color:rgb(208, 193, 140)  
}
```

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(208, 193, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 193, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 28.761, 95.240 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(208, 193, 140) }
```

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

```
.border{ border-color:rgb(208, 193, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 193, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 193, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 193, 140);  
box-shadow:4px 4px 4px 4px rgb(208, 193,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 28.761, 95.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 193, 140) }
```

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

```
.background{ background-color: rgb(208,  
193, 140) }
```

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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