

Converting Colors

CIELCh(78, 78.324, 93.957)

Have a look what the booklet for
CIELCh(78, 78.324, 93.957) contains.

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Color

CIELCh(78, 78.374, 94.125)

Conversions

Conversions Part 1

Format	Color
Hex	DCC10B
RGB	220, 193, 11
RGB Percent	86%, 76%, 4%
CMY	0.1384, 0.2442, 0.9560
CMYK	0.00, 0.12, 0.95, 0.14
HSL	52°, 90%, 45%
HSV	52°, 95%, 86%
XYZ	48.4945, 53.2120, 8.0376
YIQ	180.3250, 74.5140, -50.8780

Conversions

Conversions Part 2

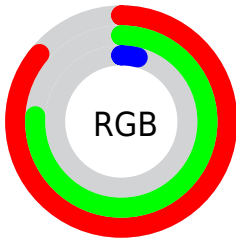
Format	Color
R _Y B	42, 220, 11
Decimal	14467339
CIE Lab	78.00, -5.64, 78.17
CIE LCh	78, 78.374, 94.125
Yxy	53.2120, 0.4419, 0.4849
Android (android.graphics.Color)	4292657419 (0xFFDCC10B)
YUV	180.3250, -83.4772, 34.7950
Hunter-Lab	72.9466, -8.9907, 44.5298

Details

The CIELCh color **78, 78.374, 94.125** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed yellow. A complement of this color would be **31, 108.234, 303.660**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.173, 102.332**, and **58, 62.808, 94.183** is the 20% darker color. If you saturate the color by 10%, you get **78, 79.180, 93.621**, and if you desaturate by 10%, it is **79, 75.390, 95.120**.

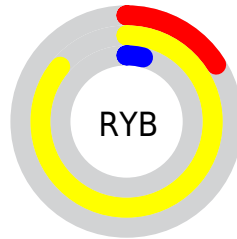
Distribution



Red (86%)

Green (76%)

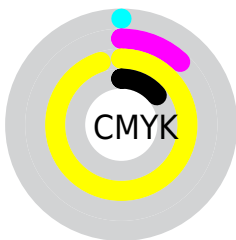
Blue (4%)



Red (16%)

Yellow (86%)

Blue (4%)

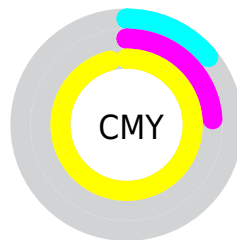


Cyan (0%)

Magenta (12%)

Yellow (95%)

Black (14%)



Cyan (14%)

Magenta (24%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 78.374, 94.125 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, 78.374, 94.125 by changing the saturation by 10% instead.

 78, 78.374, 94.125

 78, 78.374, 94.125

 100, 78.374,
94.125

 68, 78.374, 94.125

 98, 78.374, 94.125

 58, 78.374, 94.125

 48, 78.374, 94.125

 38, 78.374, 94.125

 28, 78.374, 94.125

 18, 78.374, 94.125

 8, 78.374, 94.125

 0, 78.374, 94.125

 78, 78.374, 94.125

 78, 78.374, 94.125

78, 79.180, 93.621

79, 75.390, 95.120

80, 69.946, 96.132

81, 62.611, 97.181

81, 54.028, 98.268

82, 44.695, 99.380

84, 34.947,
100.503

85, 24.991,
101.623

86, 14.950,
102.727

87, 4.900, 103.793

Harmonies

Complementary

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



78, 78.374, 94.125



31, 108.234, 303.660

Rectangle

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



78, 78.374, 94.125



78, 78.374, 144.125



78, 78.374, 274.125



78, 78.374, 324.125

Sweetspot

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



78, 78.373, 94.127



96, 31.704, 101.250



46, 84.162, 32.256



51, 21.864, 100.762



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, 78.373, 94.127



89, 88.554, 93.535



80, 91.909, 122.551



46, 5.684, 103.318



63, 66.444, 93.784



16, 23.318, 96.381

Inverse Universe

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



31, 108.234, 303.660



35, 126.544, 304.729



33, 112.313, 309.374



43, 5.775, 285.421



22, 93.293, 304.280



3, 26.959, 291.986

Previews

White Background



This preview shows how the CIELCh color 78, 78.374, 94.125 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, 78.374, 94.125 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, 78.374, 94.125

Background



This preview shows how black text looks on a background with the CIELCh color 78, 78.374, 94.125.



This preview shows how white text looks on a background with the CIELCh color 78, 78.374, 94.125.

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, 78.480, 94.127

Protanopia

78, 78.224, 94.771

Deuteranopia

78, 77.836, 82.535



Tritanopia
78, 20.965, 0.488

Trichromacy



Original Color
78, 78.480, 94.127

Protanomaly
78, 78.298, 94.448

Deuteranomaly
78, 77.787, 86.998

Tritanomaly
77, 35.710, 76.739

Monochromacy



Original Color
78, 78.480, 94.127

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 35.241, 100.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 78.374, 94.125 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(220, 193, 11)` looks like.

```
.text, #text, p{  
    color:rgb(220, 193, 11)  
}
```

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(220, 193, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 193, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 78.374, 94.125 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(220, 193, 11) }
```

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

```
.border{ border-color:rgb(220, 193, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 193, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 193, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 193, 11);  
box-shadow:4px 4px 4px 4px rgb(220, 193,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 78.374, 94.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 193, 11) }
```

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

```
.background{ background-color: rgb(220,  
193, 11) }
```

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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