

Converting Colors

CIELCh(78, 75.813, 100.250)

Have a look what the booklet for
CIELCh(78, 75.813, 100.250)
contains.

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Color

CIELCh(78, 75.823, 100.204)

Conversions

Conversions Part 1

Format	Color
Hex	CEC51E
RGB	206, 197, 30
RGB Percent	81%, 77%, 12%
CMY	0.1917, 0.2270, 0.8817
CMYK	0.00, 0.04, 0.85, 0.19
HSL	57°, 74%, 46%
HSV	57°, 85%, 81%
XYZ	45.7112, 53.2120, 9.1008
YIQ	180.6530, 58.9710, -50.0290

Conversions

Conversions Part 2

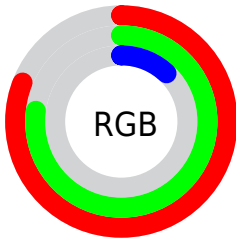
Format	Color
R _Y B	39, 206, 30
Decimal	13550878
CIE Lab	78.00, -13.43, 74.62
CIE LCh	78, 75.823, 100.204
Yxy	53.2120, 0.4232, 0.4926
Android (android.graphics.Color)	4291740958 (0xFFCEC51E)
YUV	180.6530, -74.2719, 22.2293
Hunter-Lab	72.9466, -15.8013, 43.6656

Details

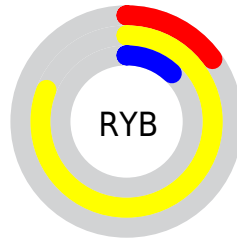
The CIELCh color **78, 75.823, 100.204** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed yellow. A complement of this color would be **30, 100.775, 303.650**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 75.630, 103.743**, and **58, 63.327, 101.581** is the 20% darker color. If you saturate the color by 10%, you get **78, 78.682, 99.690**, and if you desaturate by 10%, it is **78, 70.657, 100.862**.

Distribution



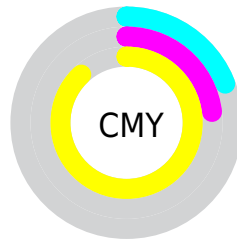
- Red (81%)
- Green (77%)
- Blue (12%)



- Red (15%)
- Yellow (81%)
- Blue (12%)



- Cyan (0%)
- Magenta (4%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (23%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 75.823, 100.204 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, 75.823, 100.204 by changing the saturation by 10% instead.


 78, 75.823,
100.204


 78, 75.823,
100.204


 100, 75.823,
100.204

 68, 75.823,
100.204


 98, 75.823,
100.204

 58, 75.823,
100.204

 48, 75.823,
100.204

 38, 75.823,
100.204

 28, 75.823,
100.204

 18, 75.823,
100.204

 8, 75.823, 100.204

0, 75.823, 100.204

78, 75.823,
100.204

78, 75.823,
100.204

78, 78.682, 99.690

78, 70.657,
100.862

78, 79.499, 99.480

79, 63.600,
101.644

79, 55.205,
102.527

80, 45.947,
103.480

80, 36.165,
104.475

81, 26.083,
105.490

■ 82, 15.842,
106.508

■ 82, 5.529, 107.506

■ 83, 4.799, 288.526

Harmonies

Complementary

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



78, 75.823, 100.204



30, 100.775, 303.650

Rectangle

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



78, 75.823, 100.204



78, 75.823, 150.204



78, 75.823, 280.204



78, 75.823, 330.204

Sweetspot

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



78, 75.823, 100.206



98, 31.768, 105.393



45, 76.640, 31.997



52, 21.499, 105.036



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, 75.823, 100.206



94, 93.292, 99.436



75, 85.341, 124.362



43, 5.803, 107.108



64, 67.644, 99.534



14, 20.709, 102.586

Inverse Universe

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



30, 100.775, 303.650



33, 131.791, 305.868



35, 99.704, 310.940



39, 5.919, 289.061



20, 94.500, 305.587



2, 22.689, 291.191

Previews

White Background



This preview shows how the CIELCh color 78, 75.823, 100.204 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, 75.823, 100.204 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, 75.823, 100.204

Background



This preview shows how black text looks on a background with the CIELCh color 78, 75.823, 100.204.



This preview shows how white text looks on a background with the CIELCh color 78, 75.823, 100.204.

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, 75.823, 100.204

Protanopia

78, 75.450, 95.071

Deuteranopia

78, 74.241, 82.257



Tritanopia
78, 15.289, 349.145

Trichromacy



Original Color
78, 75.823, 100.204

Protanomaly
78, 75.456, 96.783

Deuteranomaly
78, 74.031, 88.680

Tritanomaly
77, 29.297, 86.093

Monochromacy



Original Color
78, 75.823, 100.204

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 32.414, 104.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 75.823, 100.204 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(206, 197, 30)` looks like.

```
.text, #text, p{  
    color:rgb(206, 197, 30)  
}
```

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(206, 197, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 197, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 75.823, 100.204 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(206, 197, 30) }
```

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

```
.border{ border-color:rgb(206, 197, 30) }
```

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

Here you see how a box with a 4 pixel rgb(206, 197, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 197, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 197, 30);  
box-shadow:4px 4px 4px 4px rgb(206, 197,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 75.823, 100.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 197, 30) }
```

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

```
.background{ background-color: rgb(206,  
197, 30) }
```

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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