

Converting Colors

CIELCh(76, 77.721, 98.261)

Have a look what the booklet for
CIELCh(76, 77.721, 98.261) contains.

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Color

CIELCh(76, 77.616, 98.264)

Conversions

Conversions Part 1

Format	Color
Hex	CCBE04
RGB	204, 190, 4
RGB Percent	80%, 75%, 2%
CMY	0.1984, 0.2535, 0.9839
CMYK	0.00, 0.07, 0.98, 0.20
HSL	56°, 96%, 41%
HSV	56°, 98%, 80%
XYZ	43.5260, 49.8872, 7.4525
YIQ	172.9820, 68.0500, -54.8780

Conversions

Conversions Part 2

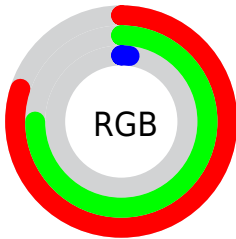
Format	Color
R _Y B	19, 204, 4
Decimal	13417988
CIE Lab	76.00, -11.16, 76.81
CIE LCh	76, 77.616, 98.264
Yxy	49.8872, 0.4315, 0.4946
Android (android.graphics.Color)	4291608068 (0xFFCCBE04)
YUV	172.9820, -83.3081, 27.2028
Hunter-Lab	70.6309, -13.6042, 43.1858

Details

The CIELCh color **76, 77.616, 98.264** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **26, 109.020, 305.307**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.212, 101.341**, and **56, 61.177, 99.302** is the 20% darker color. If you saturate the color by 10%, you get **76, 77.967, 98.151**, and if you desaturate by 10%, it is **76, 75.316, 98.867**.

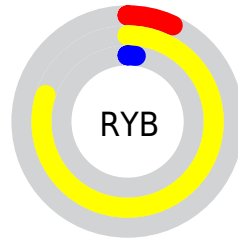
Distribution



Red (80%)

Green (75%)

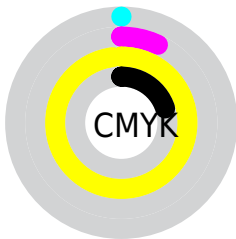
Blue (2%)



Red (7%)

Yellow (80%)

Blue (2%)

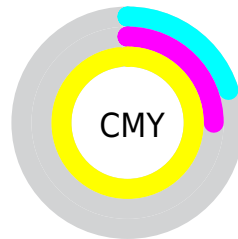


Cyan (0%)

Magenta (7%)

Yellow (98%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 77.616, 98.264 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 76, 77.616, 98.264 by changing the saturation by 10% instead.

 76, 77.616, 98.264

 76, 77.616, 98.264

 100, 77.616,
98.264

 66, 77.616, 98.264

 96, 77.616, 98.264

 56, 77.616, 98.264

 46, 77.616, 98.264

 36, 77.616, 98.264

 26, 77.616, 98.264

 16, 77.616, 98.264

 6, 77.616, 98.264

 0, 77.616, 98.264

 76, 77.616, 98.264

 76, 77.616, 98.264

■ 76, 77.967, 98.151

■ 76, 75.316, 98.867

■ 77, 70.770, 99.574

■ 77, 64.226,
100.392

■ 78, 56.244,
101.302

■ 79, 47.329,
102.278

■ 79, 37.849,
103.295

■ 80, 28.048,
104.331

■ 81, 18.077,
105.370

■ 81, 8.031, 106.393

Harmonies

Complementary

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



76, 77.616, 98.264



26, 109.020, 305.307

Rectangle

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



76, 77.616, 98.264



76, 77.616, 148.264



76, 77.616, 278.264



76, 77.616, 328.264

Sweetspot

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



76, 77.615, 98.266



97, 34.752, 104.188



43, 83.902, 36.275



51, 23.793, 103.739



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 77.615, 98.266



93, 92.053, 98.086



74, 89.296, 124.914



43, 5.693, 106.251



63, 66.768, 98.225



14, 20.275, 101.457

Inverse Universe

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



26, 109.020, 305.307



33, 130.841, 305.668



31, 106.638, 310.174



40, 5.801, 288.234



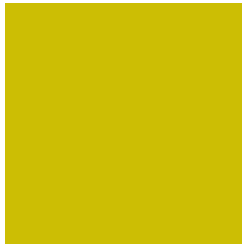
20, 93.618, 305.325



2, 22.380, 290.704

Previews

White Background



This preview shows how the CIELCh color 76, 77.616, 98.264 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 76, 77.616, 98.264 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 76, 77.616, 98.264

Background



This preview shows how black text looks on a background with the CIELCh color 76, 77.616, 98.264.

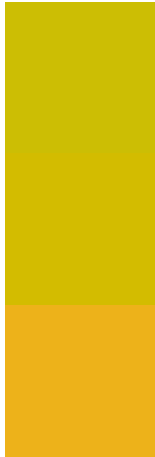


This preview shows how white text looks on a background with the CIELCh color 76, 77.616, 98.264.

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

76, 77.512, 98.267

Protanopia

76, 77.800, 95.240

Deuteranopia

76, 75.787, 82.611



Tritanopia
76, 16.457, 353.756

Trichromacy



Original Color
76, 77.512, 98.267

Protanomaly
76, 77.811, 96.259

Deuteranomaly
76, 75.890, 88.247

Tritanomaly
75, 34.105, 85.316

Monochromacy



Original Color
76, 77.512, 98.267

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 35.785, 103.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 77.616, 98.264 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(204, 190, 4)` looks like.

```
.text, #text, p{  
    color:rgb(204, 190, 4)  
}
```

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(204, 190, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 190, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 77.616, 98.264 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(204, 190, 4) }
```

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

```
.border{ border-color:rgb(204, 190, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 190, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 190, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 190, 4);  
box-shadow:4px 4px 4px 4px rgb(204, 190,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 77.616, 98.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 190, 4) }
```

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

```
.background{ background-color: rgb(204,  
190, 4) }
```

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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