

Converting Colors

CIELCh(77, 78.885, 93.302)

Have a look what the booklet for
CIELCh(77, 78.885, 93.302) contains.

CIELCh(77, 78.634, 93.008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 78.634, 93.008)

Conversions

Conversions Part 1

Format	Color
Hex	DBBD00
RGB	219, 189, 0
RGB Percent	86%, 74%, 0%
CMY	0.1406, 0.2583, 0.9984
CMYK	0.00, 0.14, 1.00, 0.14
HSL	52°, 100%, 43%
HSV	52°, 100%, 86%
XYZ	47.4824, 51.5317, 7.4548
YIQ	176.4240, 78.5490, -52.4190

Conversions

Conversions Part 2

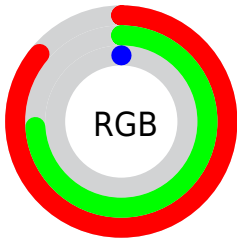
Format	Color
R _Y B	35, 219, 0
Decimal	14400768
CIE Lab	77.00, -4.13, 78.53
CIE LCh	77, 78.634, 93.008
Yxy	51.5317, 0.4460, 0.4840
Android (android.graphics.Color)	4292590848 (0xFFDBBD00)
YUV	176.4240, -86.9770, 37.3392
Hunter-Lab	71.7856, -7.5566, 44.0928

Details

The CIELCh color **77, 78.634, 93.008** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **30, 111.461, 304.379**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.228, 101.010**, and **57, 61.809, 92.647** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.663, 92.992**, and if you desaturate by 10%, it is **78, 76.666, 94.059**.

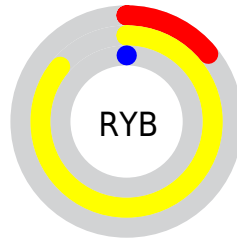
Distribution



Red (86%)

Green (74%)

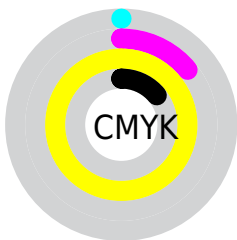
Blue (0%)



Red (14%)

Yellow (86%)

Blue (0%)

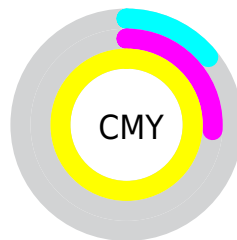


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (26%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 78.634, 93.008 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 77, 78.634, 93.008 by changing the saturation by 10% instead.

 77, 78.634, 93.008

 77, 78.634, 93.008

 100, 78.634,
93.008

 67, 78.634, 93.008

 97, 78.634, 93.008

 57, 78.634, 93.008

 47, 78.634, 93.008

 37, 78.634, 93.008

 27, 78.634, 93.008

 17, 78.634, 93.008

 7, 78.634, 93.008

 0, 78.634, 93.008

 77, 78.634, 93.008

 77, 78.634, 93.008

■ 77, 78.663, 92.992

■ 78, 76.666, 94.059

■ 79, 72.381, 95.100

■ 80, 65.904, 96.162

■ 81, 57.893, 97.254

■ 82, 48.928, 98.372

■ 83, 39.419, 99.505

■ 84, 29.625,
100.639

■ 85, 19.703,
101.763

■ 86, 9.747, 102.860

Harmonies

Complementary

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



77, 78.634, 93.008



30, 111.461, 304.379

Rectangle

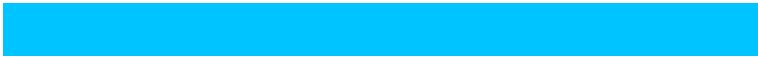
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 78.634, 93.008



77, 78.634, 143.008



77, 78.634, 273.008



77, 78.634, 323.008

Sweetspot

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



77, 78.633, 93.010



96, 33.700, 100.590



46, 86.103, 33.470



51, 22.965, 100.108



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 78.633, 93.010



88, 88.140, 92.897



80, 92.669, 122.361



46, 5.638, 102.902



62, 66.137, 93.165



16, 23.138, 95.829

Inverse Universe

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



30, 111.461, 304.379



35, 125.828, 304.567



31, 114.842, 308.929



43, 5.726, 285.019



23, 92.708, 304.098



3, 26.801, 291.789

Previews

White Background



This preview shows how the CIELCh color 77, 78.634, 93.008 looks on a white background.

Color Contrast Check

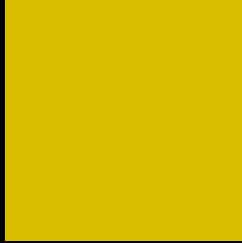
Large Text (above 18pt) WCAG AA × Fail

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 77, 78.634, 93.008 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 77, 78.634, 93.008

Background



This preview shows how black text looks on a background with the CIELCh color 77, 78.634, 93.008.

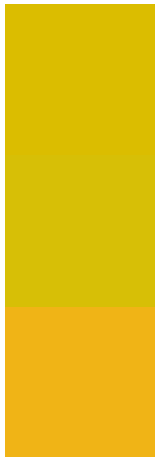


This preview shows how white text looks on a background with the CIELCh color 77, 78.634, 93.008.

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

77, 78.634, 93.008

Protanopia

77, 78.154, 95.023

Deuteranopia

77, 77.303, 82.626



Tritanopia
77, 21.613, 2.682

Trichromacy



Original Color
77, 78.634, 93.008

Protanomaly
77, 78.275, 94.012

Deuteranomaly
77, 77.580, 86.461

Tritanomaly
76, 38.157, 76.854

Monochromacy



Original Color
77, 78.634, 93.008

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 36.493, 99.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 78.634, 93.008 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(219, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 189, 0)  
}
```

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(219, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 189, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 78.634, 93.008 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(219, 189, 0) }
```

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

```
.border{ border-color:rgb(219, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 189,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 78.634, 93.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 189, 0) }
```

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

```
.background{ background-color: rgb(219,  
189, 0) }
```

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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