

Converting Colors

CIELCh(77, 78.488, 93.306)

Have a look what the booklet for
CIELCh(77, 78.488, 93.306) contains.

CIELCh(77, 78.342, 93.325)	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, 78.342, 93.325)

Conversions

Conversions Part 1

Format	Color
Hex	DABD03
RGB	218, 189, 3
RGB Percent	85%, 74%, 1%
CMY	0.1435, 0.2573, 0.9877
CMYK	0.00, 0.13, 0.99, 0.14
HSL	52°, 97%, 43%
HSV	52°, 99%, 86%
XYZ	47.3326, 51.5317, 7.5414
YIQ	176.4670, 76.9900, -51.6980

Conversions

Conversions Part 2

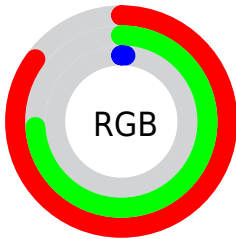
Format	Color
R _Y B	37, 218, 3
Decimal	14335235
CIE Lab	77.00, -4.54, 78.21
CIE LCh	77, 78.342, 93.325
Yxy	51.5317, 0.4448, 0.4843
Android (android.graphics.Color)	4292525315 (0xFFDABD03)
YUV	176.4670, -85.5192, 36.4244
Hunter-Lab	71.7856, -7.9289, 44.0213

Details

The CIELCh color **77, 78.342, 93.325** 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, 110.372, 304.216**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 76.865, 101.024**, and **57, 61.716, 93.082** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.575, 93.180**, and if you desaturate by 10%, it is **78, 76.180, 94.358**.

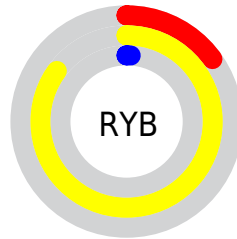
Distribution



Red (85%)

Green (74%)

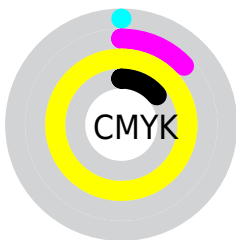
Blue (1%)



Red (15%)

Yellow (85%)

Blue (1%)

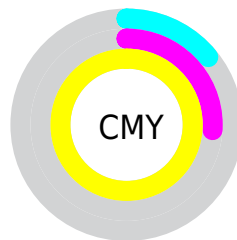


Cyan (0%)

Magenta (13%)

Yellow (99%)

Black (14%)



Cyan (14%)

Magenta (26%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 78.342, 93.325 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, 78.342, 93.325 by changing the saturation by 10% instead.

 77, 78.342, 93.325

 77, 78.342, 93.325

 100, 78.342,
93.325

 67, 78.342, 93.325

 97, 78.342, 93.325

 57, 78.342, 93.325

 47, 78.342, 93.325

 37, 78.342, 93.325

 27, 78.342, 93.325

 17, 78.342, 93.325

 7, 78.342, 93.325

 0, 78.342, 93.325

 77, 78.342, 93.325

 77, 78.342, 93.325

■ 77, 78.575, 93.180

■ 78, 76.180, 94.358

■ 79, 71.598, 95.389

■ 80, 64.907, 96.445

■ 80, 56.763, 97.534

■ 82, 47.725, 98.650

■ 83, 38.179, 99.779

■ 84, 28.371,
100.910

■ 85, 18.447,
102.027

■ 86, 8.495, 103.118

Harmonies

Complementary

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



77, 78.342, 93.325



30, 110.372, 304.216

Rectangle

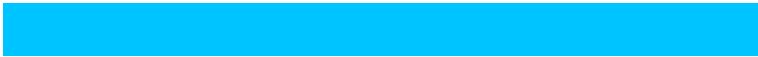
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 78.342, 93.325



77, 78.342, 143.325



77, 78.342, 273.325



77, 78.342, 323.325

Sweetspot

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



77, 78.341, 93.327



96, 33.774, 100.718



46, 85.112, 32.899



51, 23.015, 100.238



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, 78.341, 93.327



88, 88.261, 93.085



80, 92.073, 122.224



46, 5.651, 103.025



62, 66.226, 93.347



16, 23.191, 95.992

Inverse Universe

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



30, 110.372, 304.216



35, 126.042, 304.616



31, 113.929, 308.964



43, 5.740, 285.138



23, 92.882, 304.152



3, 26.847, 291.847

Previews

White Background



This preview shows how the CIELCh color 77, 78.342, 93.325 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, 78.342, 93.325 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, 78.342, 93.325

Background



This preview shows how black text looks on a background with the CIELCh color 77, 78.342, 93.325.

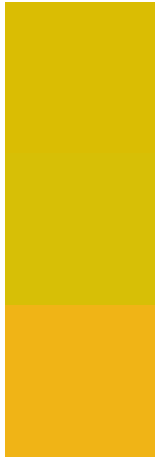


This preview shows how white text looks on a background with the CIELCh color 77, 78.342, 93.325.

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, 78.239, 93.322

Protanopia

77, 78.154, 95.023

Deuteranopia

77, 77.303, 82.626



Tritanopia
77, 21.388, 0.933

Trichromacy



Original Color
77, 78.239, 93.322

Protanomaly
77, 78.096, 94.335

Deuteranomaly
77, 77.451, 86.446

Tritanomaly
76, 36.994, 76.765

Monochromacy



Original Color
77, 78.239, 93.322

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 36.406, 99.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 78.342, 93.325 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(218, 189, 3)` looks like.

```
.text, #text, p{  
    color:rgb(218, 189, 3)  
}
```

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(218, 189, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 189, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 78.342, 93.325 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(218, 189, 3) }
```

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

```
.border{ border-color:rgb(218, 189, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 189, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 189, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 189, 3);  
box-shadow:4px 4px 4px 4px rgb(218, 189,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 78.342, 93.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 189, 3) }
```

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

```
.background{ background-color: rgb(218,  
189, 3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor