

Converting Colors

CIELCh(76, 78.086, 90.525)

Have a look what the booklet for
CIELCh(76, 78.086, 90.525) contains.

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Color

CIELCh(76, 77.841, 90.484)

Conversions

Conversions Part 1

Format	Color
Hex	DDB801
RGB	221, 184, 1
RGB Percent	87%, 72%, 0%
CMY	0.1316, 0.2769, 0.9955
CMYK	0.00, 0.17, 0.99, 0.13
HSL	50°, 99%, 44%
HSV	50°, 99%, 87%
XYZ	47.1808, 49.8872, 7.1750
YIQ	174.2010, 80.7950, -49.0690

Conversions

Conversions Part 2

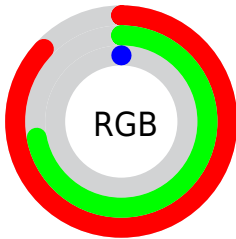
Format	Color
R_{YB}	45, 221, 1
Decimal	14530561
CIE Lab	76.00, -0.66, 77.84
CIE LCh	76, 77.841, 90.484
Yxy	49.8872, 0.4526, 0.4786
Android (android.graphics.Color)	4292720641 (0xFFDDB801)
YUV	174.2010, -85.3881, 41.0427
Hunter-Lab	70.6309, -4.3676, 43.4187

Details

The CIELCh color **76, 77.841, 90.484** 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 **31, 109.191, 303.567**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 75.535, 99.378**, and **56, 61.212, 89.736** is the 20% darker color. If you saturate the color by 10%, you get **76, 77.926, 90.420**, and if you desaturate by 10%, it is **77, 75.792, 91.766**.

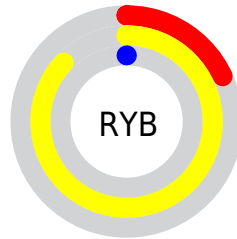
Distribution



Red (87%)

Green (72%)

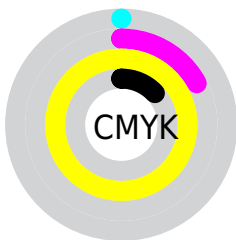
Blue (0%)



Red (18%)

Yellow (87%)

Blue (0%)

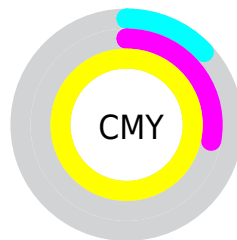


Cyan (0%)

Magenta (17%)

Yellow (99%)

Black (13%)



Cyan (13%)

Magenta (28%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 77.841, 90.484 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, 77.841, 90.484 by changing the saturation by 10% instead.

 76, 77.841, 90.484

 76, 77.841, 90.484

 100, 77.841,
90.484

 66, 77.841, 90.484

 96, 77.841, 90.484

 56, 77.841, 90.484

 46, 77.841, 90.484

 36, 77.841, 90.484

 26, 77.841, 90.484

 16, 77.841, 90.484

 6, 77.841, 90.484

 0, 77.841, 90.484

 76, 77.841, 90.484

 76, 77.841, 90.484

76, 77.926, 90.420

77, 75.792, 91.766

78, 71.349, 92.978

79, 64.748, 94.162

80, 56.685, 95.345

81, 47.744, 96.533

83, 38.325, 97.720

84, 28.672, 98.899

85, 18.931,
100.059

87, 9.187, 101.188

Harmonies

Complementary

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



76, 77.841, 90.484



31, 109.191, 303.567

Rectangle

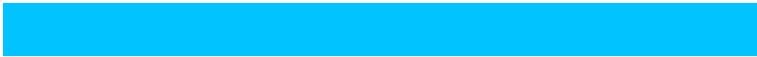
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 77.841, 90.484



76, 77.841, 140.484



76, 77.841, 270.484



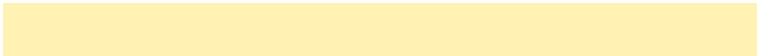
76, 77.841, 320.484

Sweetspot

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



76, 77.840, 90.486



95, 32.715, 98.811



46, 84.693, 31.111



50, 22.308, 98.311



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, 77.840, 90.486



86, 86.632, 90.307



81, 92.315, 120.797



45, 5.458, 101.194



61, 65.018, 90.650



15, 22.447, 93.550

Inverse Universe

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



31, 109.191, 303.567



36, 122.696, 303.840



31, 116.290, 308.448



43, 5.533, 283.368



23, 90.195, 303.294



3, 26.181, 290.992

Previews

White Background



This preview shows how the CIELCh color 76, 77.841, 90.484 looks on a white background.

Color Contrast Check

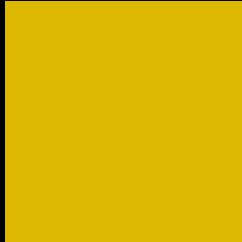
Large Text (above 18pt) WCAG AA × Fail

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, 77.841, 90.484 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, 77.841, 90.484

Background



This preview shows how black text looks on a background with the CIELCh color 76, 77.841, 90.484.



This preview shows how white text looks on a background with the CIELCh color 76, 77.841, 90.484.

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, 77.734, 90.477

Protanopia

76, 77.033, 94.906

Deuteranopia

76, 77.028, 82.813



Tritanopia
76, 24.062, 3.560

Trichromacy



Original Color
76, 77.734, 90.477

Protanomaly
76, 77.241, 93.548

Deuteranomaly
76, 77.117, 85.599

Tritanomaly
75, 38.773, 72.047

Monochromacy



Original Color
76, 77.734, 90.477

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 35.773, 97.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 77.841, 90.484 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(221, 184, 1)` looks like.

```
.text, #text, p{  
    color:rgb(221, 184, 1)  
}
```

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(221, 184, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 184, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 77.841, 90.484 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(221, 184, 1) }
```

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

```
.border{ border-color:rgb(221, 184, 1) }
```

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

Here you see how a box with a 4 pixel rgb(221, 184, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 184, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 184, 1);  
box-shadow:4px 4px 4px 4px rgb(221, 184,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 77.841, 90.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 184, 1) }
```

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

```
.background{ background-color: rgb(221,  
184, 1) }
```

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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