

Converting Colors

CIELCh(77, 31.504, 78.603)

Have a look what the booklet for
CIELCh(77, 31.504, 78.603) contains.

CIELCh(77, 31.542, 78.236)	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, 31.542, 78.236)

Conversions

Conversions Part 1

Format	Color
Hex	DDB885
RGB	221, 184, 133
RGB Percent	87%, 72%, 52%
CMY	0.1321, 0.2772, 0.4773
CMYK	0.00, 0.17, 0.40, 0.13
HSL	35°, 57%, 70%
HSV	35°, 40%, 87%
XYZ	51.3746, 51.5317, 29.5346
YIQ	189.2490, 38.4230, -8.0170

Conversions

Conversions Part 2

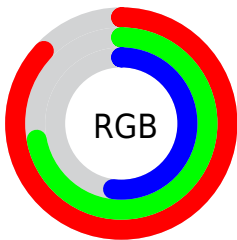
Format	Color
RYB	197, 221, 133
Decimal	14530693
CIELab	77.00, 6.43, 30.88
CIElCh	77, 31.542, 78.236
Yxy	51.5317, 0.3879, 0.3891
Android (android.graphics.Color)	4292720773 (0xFFDDB885)
YUV	189.2490, -27.7308, 27.8456
Hunter-Lab	71.7856, 2.1219, 25.8564

Details

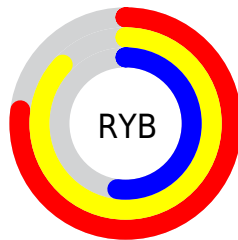
The CIELCh color **77, 31.542, 78.236** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69, 29.752, 270.444**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.642, 95.945**, and **57, 31.296, 78.237** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.049, 76.833**, and if you desaturate by 10%, it is **80, 23.232, 79.612**.

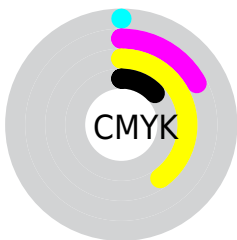
Distribution



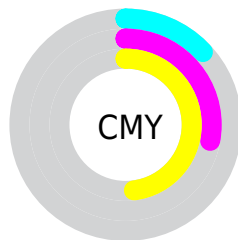
- Red (87%)
- Green (72%)
- Blue (52%)



- Red (77%)
- Yellow (87%)
- Blue (52%)



- Cyan (0%)
- Magenta (17%)
- Yellow (40%)
- Black (13%)



- Cyan (13%)
- Magenta (28%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 31.542, 78.236 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, 31.542, 78.236 by changing the saturation by 10% instead.

■ 77, 31.542, 78.236

■ 77, 31.542, 78.236

■ 100, 31.542,
78.236

■ 67, 31.542, 78.236

■ 97, 31.542, 78.236

■ 57, 31.542, 78.236

■ 47, 31.542, 78.236

■ 37, 31.542, 78.236

■ 27, 31.542, 78.236

■ 17, 31.542, 78.236

■ 7, 31.542, 78.236

■ 0, 31.542, 78.236

■ 77, 31.542, 78.236

■ 77, 31.542, 78.236

74, 40.049, 76.833

80, 23.232, 79.612

72, 48.624, 75.370

83, 15.170, 80.947

69, 56.994, 73.807

85, 7.370, 82.230

67, 64.644, 72.039

88, 0.176, 265.414

65, 70.732, 69.864

91, 7.484, 264.809

62, 74.679, 67.126

94, 9.821, 250.512

62, 74.766, 67.066

96, 9.845, 215.733

98, 11.373,
198.746

Harmonies

Complementary

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



77, 31.542, 78.236



69, 29.752, 270.444

Rectangle

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



77, 31.542, 78.236



77, 31.542, 128.236



77, 31.542, 258.236



77, 31.542, 308.236

Sweetspot

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



77, 31.542, 78.241



96, 10.191, 81.939



66, 39.071, 351.714



51, 6.775, 81.772



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, 31.542, 78.241



85, 43.243, 77.032



86, 45.035, 109.378



45, 4.246, 82.273



50, 62.222, 67.692



12, 18.627, 69.009

Inverse Universe

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



69, 29.752, 270.444



74, 40.308, 272.623



60, 49.874, 297.488



44, 4.201, 264.823



34, 62.751, 290.729



6, 20.353, 280.441

Previews

White Background



This preview shows how the CIELCh color 77, 31.542, 78.236 looks on a white background.

Color Contrast Check

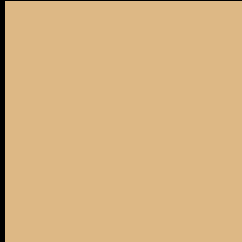
Large Text (above 18pt) WCAG AA × Fail

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, 31.542, 78.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

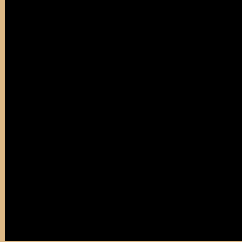
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 31.542, 78.236

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.542, 78.236.



This preview shows how white text looks on a background with the CIELCh color 77, 31.542, 78.236.

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, 31.542, 78.236

Protanopia

77, 29.355, 95.336

Deuteranopia

77, 32.177, 71.913



Tritanopia
77, 20.290, 359.653

Trichromacy



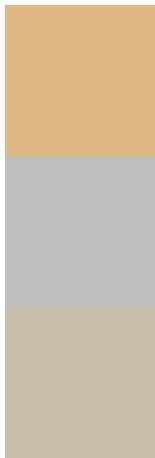
Original Color
77, 31.542, 78.236

Protanomaly
77, 29.838, 88.903

Deuteranomaly
77, 31.823, 74.201

Tritanomaly
77, 18.608, 37.310

Monochromacy



Original Color
77, 31.542, 78.236

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 11.349, 82.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.542, 78.236 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(221, 184, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 184, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.542, 78.236 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, 133) }
```

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

```
.border{ border-color:rgb(221, 184, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 184, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 184, 133);  
box-shadow:4px 4px 4px 4px rgb(221, 184,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.542, 78.236 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, 133) }
```

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

```
.background{ background-color: rgb(221,  
184, 133) }
```

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