

Converting Colors

CIELCh(83, 12.674, 76.321)

Have a look what the booklet for
CIELCh(83, 12.674, 76.321) contains.

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Color

CIELCh(83, 12.601, 76.036)

Conversions

Conversions Part 1

Format	Color
Hex	DECCB8
RGB	222, 204, 184
RGB Percent	87%, 80%, 72%
CMY	0.1295, 0.2001, 0.2785
CMYK	0.00, 0.08, 0.17, 0.13
HSL	32°, 37%, 80%
HSV	32°, 17%, 87%
XYZ	60.3561, 62.1629, 54.1549
YIQ	207.1020, 17.1480, -2.4040

Conversions

Conversions Part 2

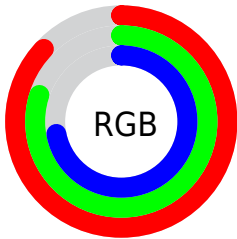
Format	Color
RYB	218, 222, 184
Decimal	14601400
CIELab	83.00, 3.04, 12.23
CIELCh	83, 12.601, 76.036
Yxy	62.1629, 0.3416, 0.3519
Android (android.graphics.Color)	4292791480 (0xFFDECCB8)
YUV	207.1020, -11.3893, 13.0655
Hunter-Lab	78.8435, -1.3311, 14.4662

Details

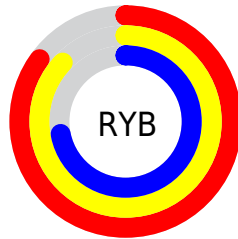
The CIELCh color $83, 12.601, 76.036$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 12.144, 260.680$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 7.593, 109.599$, and $63, 12.710, 75.673$ is the 20% darker color. If you saturate the color by 10%, you get $80, 20.397, 74.766$, and if you desaturate by 10%, it is $86, 5.127, 77.272$.

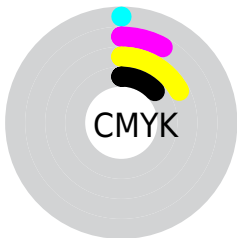
Distribution



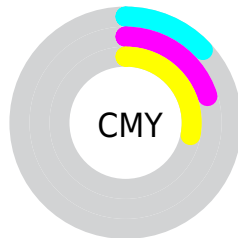
- Red (87%)
- Green (80%)
- Blue (72%)



- Red (85%)
- Yellow (87%)
- Blue (72%)



- Cyan (0%)
- Magenta (8%)
- Yellow (17%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 12.601, 76.036 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 83, 12.601, 76.036 by changing the saturation by 10% instead.

■ 83, 12.601, 76.036

■ 83, 12.601, 76.036

■ 100, 12.601,
76.036

■ 73, 12.601, 76.036

■ 63, 12.601, 76.036

■ 53, 12.601, 76.036

■ 43, 12.601, 76.036

■ 33, 12.601, 76.036

■ 23, 12.601, 76.036

■ 13, 12.601, 76.036

■ 3, 12.601, 76.036

■ 0, 12.601, 76.036

83, 12.601, 76.036

83, 12.601, 76.036

80, 20.397, 74.766

86, 5.127, 77.272

77, 28.522, 73.458

89, 2.047, 258.765

74, 36.954, 72.127

93, 8.948, 259.822

71, 45.613, 70.762

95, 9.239, 228.967

68, 54.303, 69.325

98, 11.159,
198.761

66, 62.617, 67.722

63, 69.805, 65.753

61, 74.872, 63.115

60, 76.148, 62.330

Harmonies

Complementary

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



83, 12.601, 76.036



81, 12.144, 260.680

Rectangle

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



83, 12.601, 76.036



83, 12.601, 126.036



83, 12.601, 256.036



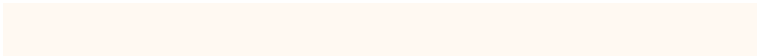
83, 12.601, 306.036

Sweetspot

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



83, 12.602, 76.048



98, 4.011, 77.501



79, 17.132, 346.049



52, 2.741, 77.426



0, 0.000, 0.000



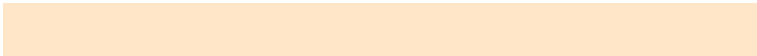
53, 0.007, 296.813

Same Dimension

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



83, 12.602, 76.048



93, 17.452, 75.533



88, 19.709, 109.222



45, 4.148, 76.997



48, 63.847, 62.957



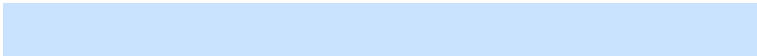
12, 19.682, 63.224

Inverse Universe

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



81, 12.144, 260.680



89, 16.650, 261.356



76, 20.500, 292.669



45, 4.074, 259.535



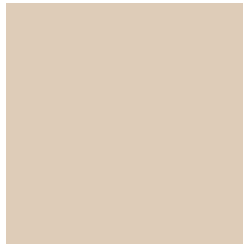
37, 57.408, 286.391



7, 19.822, 277.290

Previews

White Background



This preview shows how the CIELCh color 83, 12.601, 76.036 looks on a white background.

Color Contrast Check

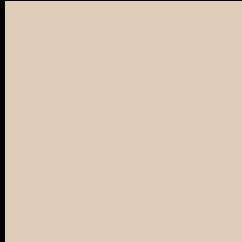
Large Text (above 18pt) WCAG AA × Fail

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 83, 12.601, 76.036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

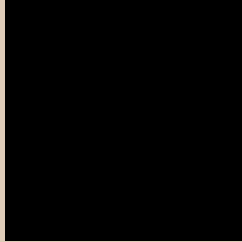
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

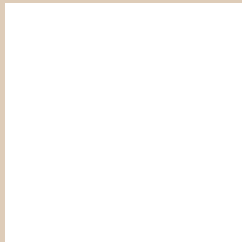
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 12.601, 76.036

Background



This preview shows how black text looks on a background with the CIELCh color 83, 12.601, 76.036.



This preview shows how white text looks on a background with the CIELCh color 83, 12.601, 76.036.

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

83, 12.601, 76.036

Protanopia

83, 11.561, 91.966

Deuteranopia

83, 15.802, 47.929



Tritanopia
83, 12.988, 339.871

Trichromacy



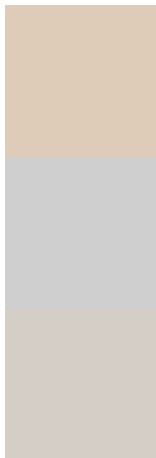
Original Color
83, 12.601, 76.036

Protanomaly
83, 11.636, 84.011

Deuteranomaly
83, 14.034, 56.734

Tritanomaly
83, 9.039, 10.008

Monochromacy



Original Color
83, 12.601, 76.036

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 4.285, 78.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 12.601, 76.036 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(222, 204, 184)` looks like.

```
.text, #text, p{  
    color:rgb(222, 204, 184)  
}
```

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(222, 204, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 204, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 12.601, 76.036 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(222, 204, 184) }
```

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

```
.border{ border-color:rgb(222, 204, 184) }
```

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

Here you see how a box with a 4 pixel rgb(222, 204, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(222, 204,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 12.601, 76.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 204, 184) }
```

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

```
.background{ background-color: rgb(222,  
204, 184) }
```

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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