

Converting Colors

CIELCh(83, 7.530, 28.794)

Have a look what the booklet for
CIELCh(83, 7.530, 28.794) contains.

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Color

CIELCh(83, 7.522, 27.921)

Conversions

Conversions Part 1

Format	Color
Hex	DECAC8
RGB	222, 202, 200
RGB Percent	87%, 79%, 78%
CMY	0.1281, 0.2065, 0.2144
CMYK	0.00, 0.09, 0.10, 0.13
HSL	5°, 25%, 83%
HSV	5°, 10%, 87%
XYZ	61.8880, 62.1629, 63.5807
YIQ	207.7520, 12.5620, 3.6180

Conversions

Conversions Part 2

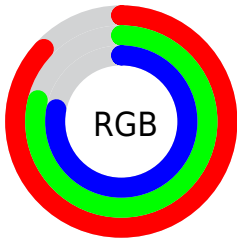
Format	Color
R _Y B	222, 202, 200
Decimal	14600904
CIE Lab	83.00, 6.65, 3.52
CIE LCh	83, 7.522, 27.921
Yxy	62.1629, 0.3298, 0.3313
Android (android.graphics.Color)	4292790984 (0xFFDECAC8)
YUV	207.7520, -3.8217, 12.4955
Hunter-Lab	78.8435, 2.1371, 7.3780

Details

The CIELCh color **83, 7.522, 27.921** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 7.052, 207.595**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 7.619, 28.438** is the 20% darker color. If you saturate the color by 10%, you get **77, 15.758, 28.426**, and if you desaturate by 10%, it is **89, 0.075, 215.793**.

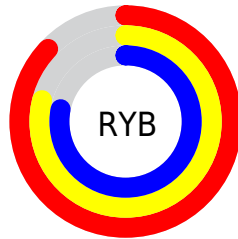
Distribution



Red (87%)

Green (79%)

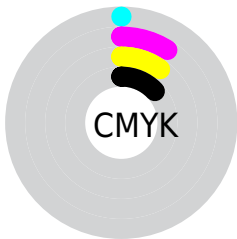
Blue (78%)



Red (87%)

Yellow (79%)

Blue (78%)

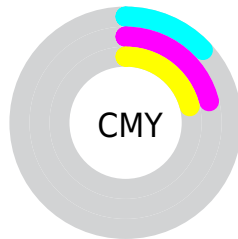


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (13%)



Cyan (13%)

Magenta (21%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 7.522, 27.921 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, 7.522, 27.921 by changing the saturation by 10% instead.



83, 7.522, 27.921

83, 7.522, 27.921

77, 15.758, 28.426

89, 0.075, 215.793

72, 24.672, 29.080

94, 7.080, 207.613

67, 34.265, 29.979

98, 11.043,
198.769

62, 44.481, 31.196

58, 55.181, 32.798

54, 66.108, 34.815

51, 76.788, 37.148

49, 86.226, 39.364

47, 92.901, 40.863

Harmonies

Complementary

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



83, 7.522, 27.921



86, 7.052, 207.595

Rectangle

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



83, 7.522, 27.921



83, 7.522, 77.921



83, 7.522, 207.921



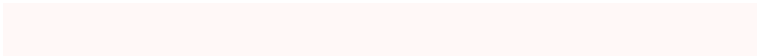
83, 7.522, 257.921

Sweetspot

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



83, 7.521, 27.938



98, 2.476, 27.529



83, 13.330, 327.317



52, 1.883, 27.609



0, 0.000, 0.000



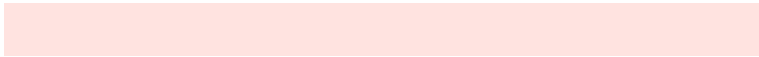
53, 0.007, 296.813

Same Dimension

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



83, 7.521, 27.938



92, 10.282, 28.037



86, 7.517, 82.574



44, 4.339, 27.918



37, 77.792, 41.076



7, 23.988, 25.670

Inverse Universe

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



86, 7.052, 207.595



97, 9.497, 207.545



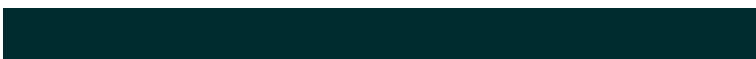
84, 7.435, 265.247



46, 4.081, 207.606



60, 34.041, 212.355



16, 14.174, 209.488

Previews

White Background



This preview shows how the CIELCh color 83, 7.522, 27.921 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, 7.522, 27.921 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, 7.522, 27.921

Background



This preview shows how black text looks on a background with the CIELCh color 83, 7.522, 27.921.



This preview shows how white text looks on a background with the CIELCh color 83, 7.522, 27.921.

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, 7.522, 27.921

Protanopia

83, 2.779, 68.541

Deuteranopia

83, 10.851, 17.428



Tritanopia
83, 12.171, 336.396

Trichromacy



Original Color
83, 7.522, 27.921

Protanomaly
83, 4.240, 49.277

Deuteranomaly
83, 9.704, 20.094

Tritanomaly
83, 9.375, 349.703

Monochromacy



Original Color
83, 7.522, 27.921

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 2.612, 31.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 7.522, 27.921 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, 202, 200)` looks like.

```
.text, #text, p{  
    color:rgb(222, 202, 200)  
}
```

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, 202, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 202, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 7.522, 27.921 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, 202, 200) }
```

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

```
.border{ border-color:rgb(222, 202, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 202, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 202, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 202, 200);  
box-shadow:4px 4px 4px 4px rgb(222, 202,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 7.522, 27.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 202, 200) }
```

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

```
.background{ background-color: rgb(222,  
202, 200) }
```

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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