

Converting Colors

CIELCh(81, 10.696, 45.560)

Have a look what the booklet for
CIELCh(81, 10.696, 45.560) contains.

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Color

CIELCh(81, 10.668, 46.427)

Conversions

Conversions Part 1

Format	Color
Hex	DDC4BB
RGB	221, 196, 187
RGB Percent	87%, 77%, 73%
CMY	0.1331, 0.2312, 0.2665
CMYK	0.00, 0.11, 0.15, 0.13
HSL	16°, 33%, 80%
HSV	16°, 15%, 87%
XYZ	58.5591, 58.4711, 55.2400
YIQ	202.4490, 17.7890, 2.5010

Conversions

Conversions Part 2

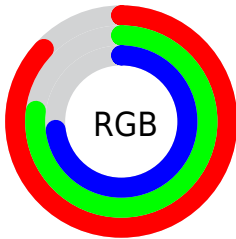
Format	Color
R _Y B	221, 199, 187
Decimal	14533819
CIE Lab	81.00, 7.35, 7.73
CIE LCh	81, 10.668, 46.427
Yxy	58.4711, 0.3399, 0.3394
Android (android.graphics.Color)	4292723899 (0xFFDDC4BB)
YUV	202.4490, -7.6164, 16.2692
Hunter-Lab	76.4664, 2.8818, 10.6948

Details

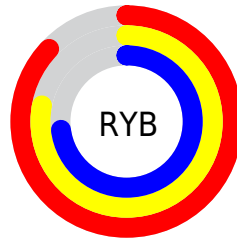
The CIELCh color $81, 10.668, 46.427$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83, 9.729, 228.278$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 5.109, 101.783$, and $61, 10.800, 44.639$ is the 20% darker color. If you saturate the color by 10%, you get $76, 18.323, 46.089$, and if you desaturate by 10%, it is $86, 3.587, 46.795$.

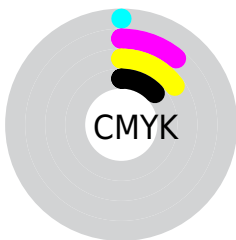
Distribution



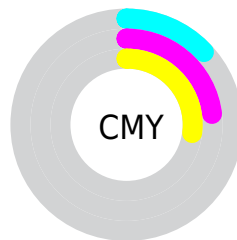
- Red (87%)
- Green (77%)
- Blue (73%)



- Red (87%)
- Yellow (78%)
- Blue (73%)



- Cyan (0%)
- Magenta (11%)
- Yellow (15%)
- Black (13%)



- Cyan (13%)
- Magenta (23%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 10.668, 46.427 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 81, 10.668, 46.427 by changing the saturation by 10% instead.

 81, 10.668, 46.427

 81, 10.668, 46.427

 100, 10.668,
46.427

 71, 10.668, 46.427

 61, 10.668, 46.427

 51, 10.668, 46.427

 41, 10.668, 46.427

 31, 10.668, 46.427

 21, 10.668, 46.427

 11, 10.668, 46.427

 1, 10.668, 46.427

 0, 10.668, 46.427

81, 10.668, 46.427

81, 10.668, 46.427

76, 18.323, 46.089

86, 3.587, 46.795

72, 26.599, 45.834

90, 2.972, 227.660

68, 35.522, 45.711

95, 9.068, 228.093

64, 45.071, 45.742

98, 11.462,
198.740

60, 55.147, 45.926

57, 65.474, 46.194

54, 75.414, 46.330

51, 83.633, 45.817

50, 86.815, 45.496

Harmonies

Complementary

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



81, 10.668, 46.427



83, 9.729, 228.278

Rectangle

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



81, 10.668, 46.427



81, 10.668, 96.427



81, 10.668, 226.427



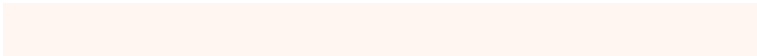
81, 10.668, 276.427

Sweetspot

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



81, 10.667, 46.441



97, 3.738, 46.801



79, 18.395, 333.336



52, 2.557, 46.787



0, 0.000, 0.000



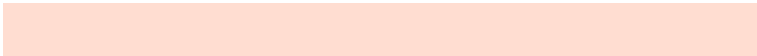
53, 0.007, 296.813

Same Dimension

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



81, 10.667, 46.441



91, 14.172, 46.337



85, 13.719, 95.384



44, 3.821, 46.670



39, 71.992, 45.991



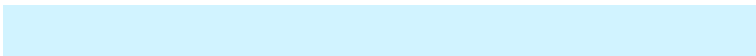
8, 20.127, 35.813

Inverse Universe

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



83, 9.729, 228.278



94, 12.692, 228.498



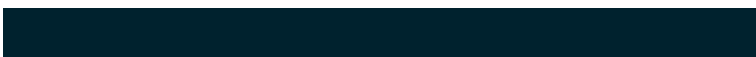
79, 13.864, 279.249



45, 3.619, 227.874



50, 34.819, 249.030



11, 13.364, 239.523

Previews

White Background



This preview shows how the CIELCh color 81, 10.668, 46.427 looks on a white background.

Color Contrast Check

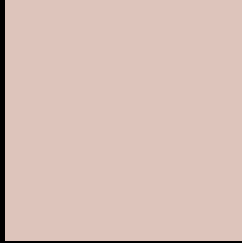
Large Text (above 18pt) WCAG AA × Fail

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 81, 10.668, 46.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

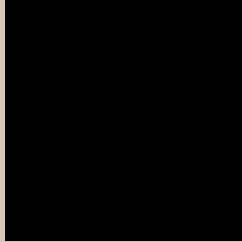
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 10.668, 46.427

Background



This preview shows how black text looks on a background with the CIELCh color 81, 10.668, 46.427.



This preview shows how white text looks on a background with the CIELCh color 81, 10.668, 46.427.

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

81, 10.668, 46.427

Protanopia

81, 6.537, 82.257

Deuteranopia

81, 12.811, 36.991



Tritanopia
81, 13.908, 345.701

Trichromacy



Original Color
81, 10.668, 46.427

Protanomaly
81, 7.859, 67.289

Deuteranomaly
81, 11.880, 40.938

Tritanomaly
81, 11.265, 3.939

Monochromacy



Original Color
81, 10.668, 46.427

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 4.022, 42.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 10.668, 46.427 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, 196, 187)` looks like.

```
.text, #text, p{  
    color:rgb(221, 196, 187)  
}
```

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, 196, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 196, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 10.668, 46.427 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, 196, 187) }
```

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

```
.border{ border-color:rgb(221, 196, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 196, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 196, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 196, 187);  
box-shadow:4px 4px 4px 4px rgb(221, 196,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 10.668, 46.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 196, 187) }
```

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

```
.background{ background-color: rgb(221,  
196, 187) }
```

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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