

Converting Colors

CIELCh(87, 11.025, 105.681)

Have a look what the booklet for
CIELCh(87, 11.025, 105.681)
contains.

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Color

CIELCh(87, 10.956, 105.344)

Conversions

Conversions Part 1

Format	Color
Hex	DDDBC6
RGB	221, 219, 198
RGB Percent	87%, 86%, 78%
CMY	0.1339, 0.1417, 0.2241
CMYK	0.00, 0.01, 0.10, 0.13
HSL	55°, 25%, 82%
HSV	55°, 10%, 87%
XYZ	65.2440, 70.0064, 63.4134
YIQ	217.2040, 7.9330, -6.1070

Conversions

Conversions Part 2

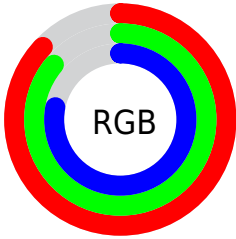
Format	Color
R _Y B	200, 221, 198
Decimal	14539718
CIE Lab	87.00, -2.90, 10.57
CIE LCh	87, 10.956, 105.344
Yxy	70.0064, 0.3284, 0.3524
Android (android.graphics.Color)	4292729798 (0xFFDDDBC6)
YUV	217.2040, -9.4676, 3.3291
Hunter-Lab	83.6698, -7.2317, 13.6329

Details

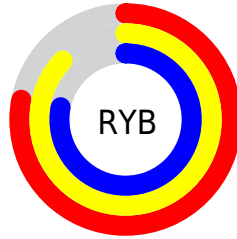
The CIELCh color **87, 10.956, 105.344** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 11.177, 287.599**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 11.011, 104.883** is the 20% darker color. If you saturate the color by 10%, you get **86, 21.474, 104.303**, and if you desaturate by 10%, it is **88, 0.424, 106.141**.

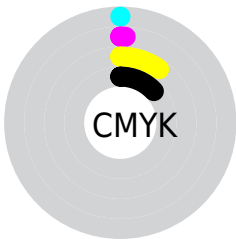
Distribution



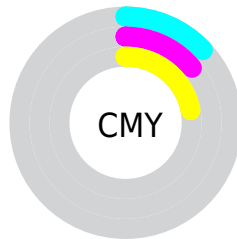
- Red (87%)
- Green (86%)
- Blue (78%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (13%)




- Cyan (13%)
- Magenta (14%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 10.956, 105.344 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 87, 10.956, 105.344 by changing the saturation by 10% instead.

 87, 10.956,
105.344

 87, 10.956,
105.344

 100, 10.956,
105.344

 77, 10.956,
105.344

 67, 10.956,
105.344

 57, 10.956,
105.344

 47, 10.956,
105.344

 37, 10.956,
105.344

 27, 10.956,
105.344

 17, 10.956,

105.344

■ 7, 10.956, 105.344

■ 0, 10.956, 105.344

■ 87, 10.956,
105.344

■ 87, 10.956,
105.344

■ 86, 21.474,
104.303

■ 88, 0.424, 106.141

■ 85, 31.904,
103.239

■ 89, 10.088,
287.409

■ 84, 42.137,
102.177

■ 90, 15.834,
286.886

■ 84, 51.994,
101.134

■ 90, 14.875,
284.007

■ 83, 61.187,

■ 91, 13.959,
280.752

100.131

91, 13.094,
277.065

82, 69.282, 99.190

92, 12.289,
272.889

82, 75.697, 98.333

81, 79.837, 97.567

92, 11.559,
268.171

80, 81.678, 96.903

93, 10.916,
262.873

Harmonies

Complementary

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



87, 10.956, 105.344



81, 11.177, 287.599

Rectangle

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



87, 10.956, 105.344



87, 10.956, 155.344



87, 10.956, 285.344



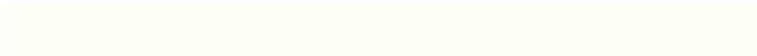
87, 10.956, 335.344

Sweetspot

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



87, 10.958, 105.353



100, 3.538, 106.095



82, 8.644, 11.964



53, 2.684, 106.019



0, 0.000, 0.000



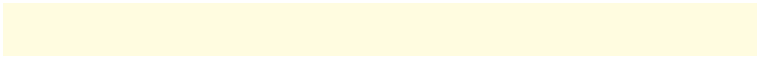
53, 0.007, 296.813

Same Dimension

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



87, 10.958, 105.353



99, 14.192, 105.178



87, 12.480, 124.996



46, 5.940, 105.455



65, 68.249, 97.007



17, 24.325, 99.208

Inverse Universe

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



81, 11.177, 287.599



91, 14.518, 287.803



81, 12.704, 306.025



42, 6.049, 287.483



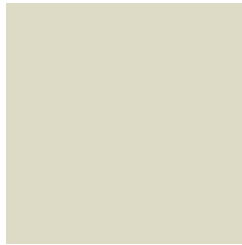
21, 96.062, 305.112



3, 27.821, 293.012

Previews

White Background



This preview shows how the CIELCh color 87, 10.956, 105.344 looks on a white background.

Color Contrast Check

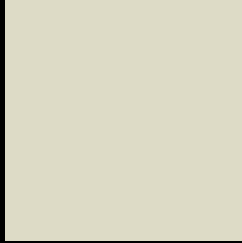
Large Text (above 18pt) WCAG AA × Fail

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 87, 10.956, 105.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

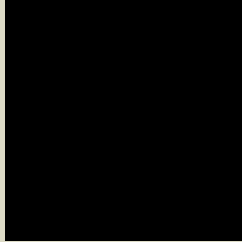
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

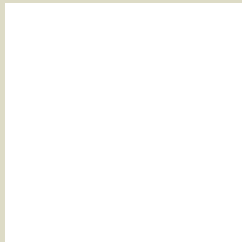
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 10.956, 105.344

Background



This preview shows how black text looks on a background with the CIELCh color 87, 10.956, 105.344.



This preview shows how white text looks on a background with the CIELCh color 87, 10.956, 105.344.

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
87, 10.956, 105.344

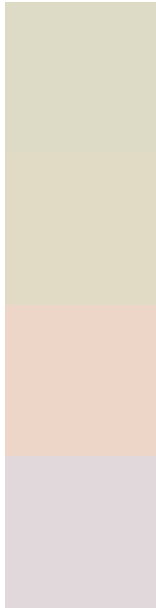
Protanopia
87, 11.070, 89.446

Deuteranopia
87, 14.639, 41.039



Tritanopia
87, 9.917, 316.207

Trichromacy



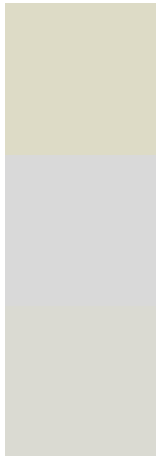
Original Color
87, 10.956, 105.344

Protanomaly
87, 11.239, 95.737

Deuteranomaly
87, 11.650, 58.530

Tritanomaly
87, 3.304, 351.150

Monochromacy



Original Color
87, 10.956, 105.344

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.169, 109.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 10.956, 105.344 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, 219, 198)` looks like.

```
.text, #text, p{  
    color:rgb(221, 219, 198)  
}
```

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, 219, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 219, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 10.956, 105.344 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, 219, 198) }
```

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

```
.border{ border-color:rgb(221, 219, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 219, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 219, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 219, 198);  
box-shadow:4px 4px 4px 4px rgb(221, 219,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 10.956, 105.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 219, 198) }
```

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

```
.background{ background-color: rgb(221,  
219, 198) }
```

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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