Converting Colors

CIELCh(87, 31.644, 116.522)

Have a look what the booklet for CIELCh(87, 31.644, 116.522) contains.

Color

CIELCh(87, 31.316, 116.153)

Conversions

Conversions Part 1

Format	Color
Hex	D4E0A4
RGB	212, 224, 164
RGB Percent	83%, 88%, 64%
CMY	0.1685, 0.1215, 0.3568
CMYK	0.05, 0.00, 0.27, 0.12
HSL	72°, 49%, 76%
HSV	72°, 27%, 88%
XYZ	60.5237, 70.0064, 45.4556
YIQ	213.5720, 12.1080, -21.2040

Conversions

Conversions Part 2

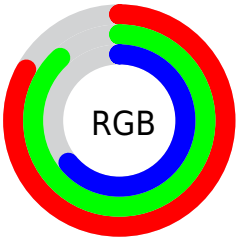
Format	Color
RYB	164, 224, 176
Decimal	13951140
CIELab	87.00, -13.80, 28.11
CIELCh	87, 31.316, 116.153
Yxy	70.0064, 0.3439, 0.3978
Android (android.graphics.Color)	4292141220 (0xFFD4E0A4)
YUV	213.5720, -24.4390, -1.3786
Hunter-Lab	83.6698, -17.3017, 26.3582

Details

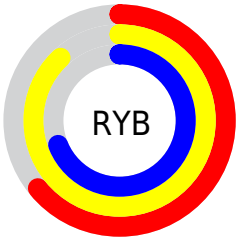
The CIELCh color 87, 31.316, 116.153 is a light color, and the websafe version is hex CCCC99. A complement of this color would be 70, 33.228, 300.177, and the grayscale version is 86, 0.010, 296.813.

A 20% lighter version of the original color is 99, 18.203, 108.801, and 67, 31.264, 116.168 is the 20% darker color. If you saturate the color by 10%, you get 86, 42.691, 115.478, and if you desaturate by 10%, it is 88, 19.708, 116.850.

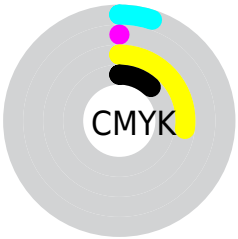
Distribution



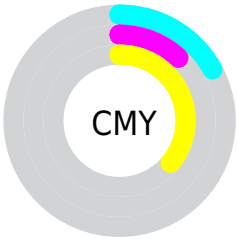
- Red (83%)
- Green (88%)
- Blue (64%)



- Red (64%)
- Yellow (88%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)



- Cyan (17%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 31.316, 116.153 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, 31.316, 116.153 by changing the saturation by 10% instead.

87, 31.316, 116.153

100, 31.316, 116.153

87, 31.316, 116.153

77, 31.316, 116.153

67, 31.316, 116.153

57, 31.316, 116.153

47, 31.316, 116.153

37, 31.316, 116.153

27, 31.316, 116.153

17, 31.316,

116.153

7, 31.316, 116.153

0, 31.316, 116.153

87, 31.316, 116.153

86, 42.691, 115.478

86, 53.651, 114.848

85, 63.935, 114.311

85, 73.157, 113.932

84, 80.809,

87, 31.316, 116.153

88, 19.708, 116.850

89, 7.977, 117.540

89, 3.798, 298.205

90, 15.562, 298.850

91, 16.536, 303.841

113.798

84, 86.354, 114.002

84, 89.508, 114.607

83, 90.239, 114.846

91, 16.941, 308.951

92, 17.473, 313.830

92, 18.123, 318.429

92, 18.881, 322.721

Harmonies

Complementary

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

87, 31.316, 116.153

70, 33.228, 300.177

Rectangle

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

87, 31.316, 116.153

87, 31.316, 166.153

87, 31.316, 296.153

87, 31.316, 346.153

Sweetspot

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

87, 31.318, 116.156

99, 10.448, 117.453

76, 20.290, 39.188

53, 7.425, 117.349

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, 31.318, 116.156

97, 41.411, 115.783

85, 35.061, 134.470

47, 6.685, 117.358

67, 75.280, 114.670

18, 28.433, 114.801

Inverse Universe

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

70, 33.228, 300.177

75, 44.555, 300.727

73, 35.773, 316.880

43, 6.825, 298.670

22, 99.745, 307.283

3, 32.010, 300.648

Previews

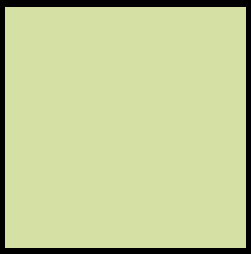
White Background

This preview shows how the CIELCh color 87, 31.316, 116.153 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



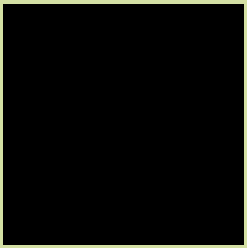
This preview shows how the CIELCh color 87, 31.316, 116.153 looks on a black background.

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, 31.316, 116.153 Background



This preview shows how black text looks on a background with the CIELCh color 87, 31.316, 116.153.

This preview shows how white text looks on a background with the CIELCh color 87, 31.316, 116.153.

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, 31.316, 116.153

Protanopia
87, 29.756, 95.328

Deuteranopia
87, 28.486, 68.127

Tritanopia
87, 9.190, 304.162

Trichromacy

Original Color
87, 31.316, 116.153

Protanomaly
87, 30.061, 103.859

Deuteranomaly
87, 26.476, 86.069

Tritanomaly
87, 5.735, 109.683

Monochromacy

Original Color
87, 31.316, 116.153

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 11.641, 118.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 31.316, 116.153 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(212, 224, 164) looks like.

```
.text, #text, p{
    color:rgb(212, 224, 164)
}
```

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(212, 224, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 224, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 31.316, 116.153 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(212, 224, 164) }
```

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

```
.border{ border-color:rgb(212, 224, 164) }
```

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

Here you see how a box with a 4 pixel rgb(212, 224, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 224, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 224, 164); box-shadow:4px 4px 4px 4px rgb(212, 224, 164) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 31.316, 116.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(212, 224, 164) }
```

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

```
.background{ background-color:rgb(212,
224, 164) }
```

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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