

Converting Colors

CIELCh(88, 1.313, 309.017)

Have a look what the booklet for
CIELCh(88, 1.313, 309.017) contains.

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Color

CIELCh(88, 1.620, 303.080)

Conversions

Conversions Part 1

Format	Color
Hex	DDDCDF
RGB	221, 220, 223
RGB Percent	87%, 86%, 87%
CMY	0.1324, 0.1363, 0.1245
CMYK	0.01, 0.01, 0.00, 0.12
HSL	260°, 5%, 87%
HSV	260°, 1%, 88%
XYZ	68.9020, 72.0653, 80.2624
YIQ	220.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

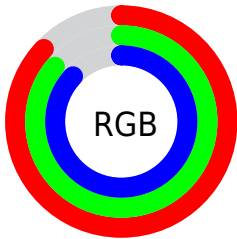
Format	Color
R _Y B	221, 220, 223
Decimal	14539999
CIE Lab	88.00, 0.88, -1.36
CIE LCh	88, 1.620, 303.080
Yxy	72.0653, 0.3115, 0.3257
Android (android.graphics.Color)	4292730079 (0xFFDDDCDF)
YUV	220.6410, 1.1630, 0.3148
Hunter-Lab	84.8913, -3.6802, 3.3668

Details

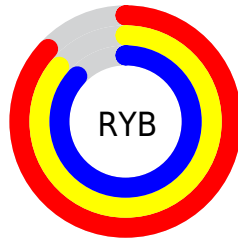
The CIELCh color **88, 1.620, 303.080** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 1.593, 122.987**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 1.707, 303.111** is the 20% darker color. If you saturate the color by 10%, you get **81, 13.836, 303.660**, and if you desaturate by 10%, it is **95, 10.177, 122.592**.

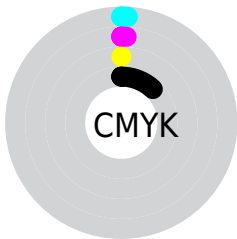
Distribution



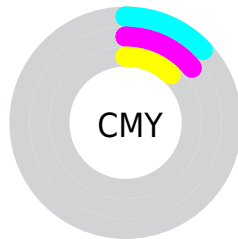
- Red (87%)
- Green (86%)
- Blue (87%)



- Red (87%)
- Yellow (86%)
- Blue (87%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (13%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 1.620, 303.080 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 88, 1.620, 303.080 by changing the saturation by 10% instead.

■ 88, 1.620, 303.080

■ 88, 1.620, 303.080

100, 1.620,
303.080

■ 78, 1.620, 303.080

■ 68, 1.620, 303.080

■ 58, 1.620, 303.080

■ 48, 1.620, 303.080

■ 38, 1.620, 303.080

■ 28, 1.620, 303.080

■ 18, 1.620, 303.080

■ 8, 1.620, 303.080

■ 0, 1.620, 303.080

88, 1.620, 303.080

88, 1.620, 303.080

81, 13.836,
303.660

95, 10.177,
122.592

74, 26.482,
304.315

99, 16.144,
114.087

68, 39.539,
305.044

99, 16.063,
108.963

61, 52.944,
305.840

54, 66.546,
306.680

48, 80.037,
307.516

42, 92.840,
308.259

37, 104.020,
308.774

■ 34, 112.352,
308.890

Harmonies

Complementary

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



88, 1.620, 303.080



89, 1.593, 122.987

Rectangle

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



88, 1.620, 303.080



88, 1.620, 353.080



88, 1.620, 123.080



88, 1.620, 173.080

Sweetspot

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



88, 1.618, 303.049

100, 0.012, 296.813



88, 0.881, 234.336



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



88, 1.618, 303.049



98, 2.683, 303.099



88, 1.810, 319.240



47, 1.373, 303.090



24, 97.702, 308.808



3, 32.455, 304.294

Inverse Universe

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



88, 1.514, 335.474



99, 2.511, 335.604



89, 1.790, 139.377



47, 1.285, 335.584



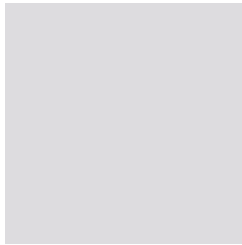
39, 68.555, 347.260



7, 28.793, 343.313

Previews

White Background



This preview shows how the CIELCh color 88, 1.620, 303.080 looks on a white background.

Color Contrast Check

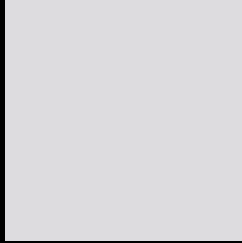
Large Text (above 18pt) WCAG AA × Fail

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 88, 1.620, 303.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

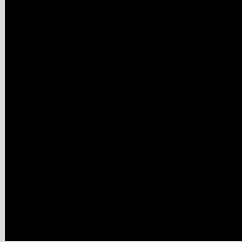
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

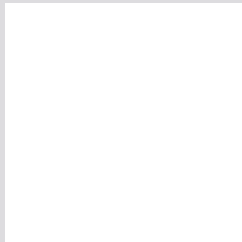
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 1.620, 303.080

Background



This preview shows how black text looks on a background with the CIELCh color 88, 1.620, 303.080.

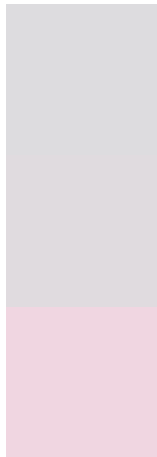


This preview shows how white text looks on a background with the CIELCh color 88, 1.620, 303.080.

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

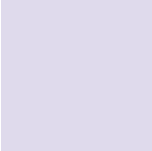
88, 1.620, 303.080

Protanopia

88, 2.775, 330.545

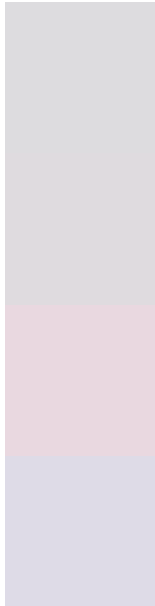
Deuteranopia

88, 11.038, 348.953



Tritanopia
88, 9.601, 301.427

Trichromacy



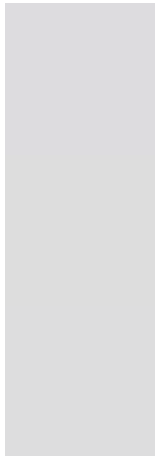
Original Color
88, 1.620, 303.080

Protanomaly
88, 2.555, 324.431

Deuteranomaly
88, 7.445, 345.827

Tritanomaly
88, 6.380, 300.233

Monochromacy



Original Color
88, 1.620, 303.080

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 0.532, 290.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 1.620, 303.080 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, 220, 223)` looks like.

```
.text, #text, p{  
    color:rgb(221, 220, 223)  
}
```

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, 220, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 220, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 1.620, 303.080 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, 220, 223) }
```

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

```
.border{ border-color:rgb(221, 220, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 220, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 220, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 220, 223);  
box-shadow:4px 4px 4px 4px rgb(221, 220,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 1.620, 303.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 220, 223) }
```

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

```
.background{ background-color: rgb(221,  
220, 223) }
```

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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