

Converting Colors

CIELCh(80, 32.629, 313.850)

Have a look what the booklet for
CIELCh(80, 32.629, 313.850)
contains.

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Color

CIElCh(80, 32.170, 313.730)

Conversions

Conversions Part 1

Format	Color
Hex	DCBAF2
RGB	220, 186, 242
RGB Percent	86%, 73%, 95%
CMY	0.1376, 0.2710, 0.0514
CMYK	0.09, 0.23, 0.00, 0.05
HSL	276°, 68%, 84%
HSV	276°, 23%, 95%
XYZ	63.0348, 56.6813, 91.5427
YIQ	202.5500, 2.2880, 24.6240

Conversions

Conversions Part 2

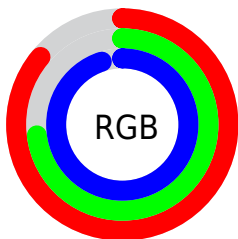
Format	Color
R _{YB}	220, 186, 242
Decimal	14465778
CIE Lab	80.00, 22.24, -23.25
CIE LCh	80, 32.170, 313.730
Yxy	56.6813, 0.2984, 0.2683
Android (android.graphics.Color)	4292655858 (0xFFDCBAF2)
YUV	202.5500, 19.4489, 15.3037
Hunter-Lab	75.2870, 17.6988, -19.3908

Details

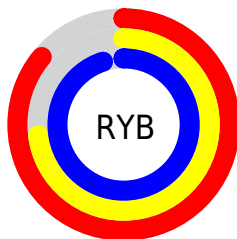
The CIELCh color `80, 32.170, 313.730` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `92, 31.401, 131.682`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 8.100, 324.685`, and `60, 32.115, 313.849` is the 20% darker color. If you saturate the color by 10%, you get `73, 46.466, 314.196`, and if you desaturate by 10%, it is `87, 18.067, 313.271`.

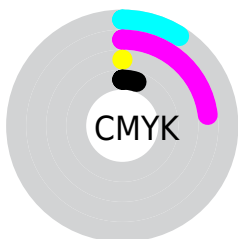
Distribution



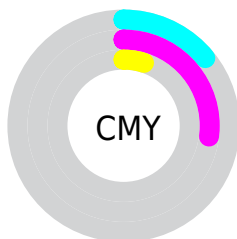
- Red (86%)
- Green (73%)
- Blue (95%)



- Red (86%)
- Yellow (73%)
- Blue (95%)



- Cyan (9%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)





- Cyan (14%)
- Magenta (27%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 32.170, 313.730 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 80, 32.170, 313.730 by changing the saturation by 10% instead.


 80, 32.170,
313.730


 80, 32.170,
313.730


 100, 32.170,
313.730


 70, 32.170,
313.730

 60, 32.170,
313.730

 50, 32.170,
313.730

 40, 32.170,
313.730

 30, 32.170,
313.730

 20, 32.170,
313.730

 10, 32.170,

313.730

0, 32.170, 313.730

80, 32.170,
313.730

80, 32.170,
313.730

73, 46.466,
314.196

87, 18.067,
313.271

67, 60.764,
314.650

93, 4.276, 312.809

61, 74.735,
315.057

99, 7.061, 128.963

100, 6.631,
109.670

56, 87.875,
315.364

51, 99.481,
315.501

■ 47,108.707,
315.380

■ 44,114.807,
314.916

■ 42,117.353,
314.421

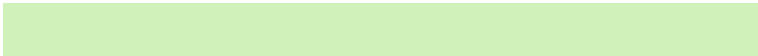
Harmonies

Complementary

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



80, 32.170, 313.730



92, 31.401, 131.682

Rectangle

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



80, 32.170, 313.730



80, 32.170, 3.730



80, 32.170, 133.730



80, 32.170, 183.730

Sweetspot

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



80, 32.168, 313.730



95, 9.966, 312.995



83, 19.007, 268.925



50, 6.480, 313.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 32.168, 313.730



81, 40.802, 313.960



82, 33.141, 328.621



47, 7.717, 313.106



31, 95.293, 314.610



6, 39.974, 315.509

Inverse Universe

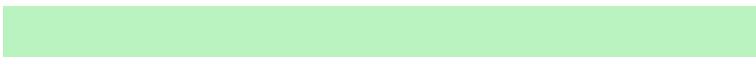
The Inverse Universe completely reimagines the original color for something new.



81, 23.713, 352.158



82, 30.092, 352.758



91, 33.091, 145.682



47, 5.667, 350.673



39, 66.349, 12.334



8, 28.821, 3.997

Previews

White Background



This preview shows how the CIELCh color 80, 32.170, 313.730 looks on a white background.

Color Contrast Check

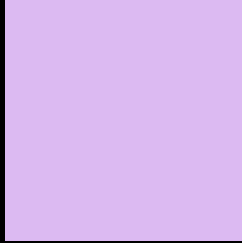
Large Text (above 18pt) WCAG AA × Fail

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 80, 32.170, 313.730 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 80, 32.170, 313.730

Background



This preview shows how black text looks on a background with the CIELCh color 80, 32.170, 313.730.



This preview shows how white text looks on a background with the CIELCh color 80, 32.170, 313.730.

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





Tritanopia
80, 11.371, 335.715

Trichromacy



Original Color
80, 32.170, 313.730

Protanomaly
80, 28.953, 296.606

Deuteranomaly
80, 27.202, 302.439

Tritanomaly
80, 18.562, 321.394

Monochromacy



Original Color
80, 32.170, 313.730

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 12.159, 313.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 32.170, 313.730 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(220, 186, 242)` looks like.

```
.text, #text, p{  
    color:rgb(220, 186, 242)  
}
```

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(220, 186, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 186, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 32.170, 313.730 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(220, 186, 242) }
```

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

```
.border{ border-color:rgb(220, 186, 242) }
```

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

Here you see how a box with a 4 pixel rgb(220, 186, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 186, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 186, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 186,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 32.170, 313.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 186, 242) }
```

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

```
.background{ background-color: rgb(220,  
186, 242) }
```

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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