Converting Colors

CIELCh(80, 51.907, 326.217)

Have a look what the booklet for CIELCh(80, 51.907, 326.217) contains.

Color

CIELCh(80, 51.952, 326.227)

Conversions

Conversions Part 1

Format	Color
Hex	FDAAFD
RGB	253, 170, 253
RGB Percent	99%, 67%, 99%
CMY	0.0081, 0.3336, 0.0081
CMYK	0.00, 0.33, 0.00, 0.01
HSL	300°, 95%, 83%
HSV	300°, 33%, 99%
XYZ	72.5629, 56.6813, 99.9868
YIQ	204.2790, 22.8250, 43.4090

Conversions

Conversions Part 2

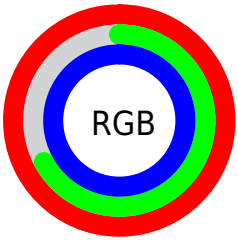
Format	Color
RYB	253, 170, 253
Decimal	16624381
CIELab	80.00, 43.18, -28.88
CIELCh	80, 51.952, 326.227
Yxy	56.6813, 0.3165, 0.2473
Android (android.graphics.Color)	4294814461 (0xFFFDAAFD)
YUV	204.2790, 24.0195, 42.7283
Hunter-Lab	75.2870, 40.2891, -26.0407

Details

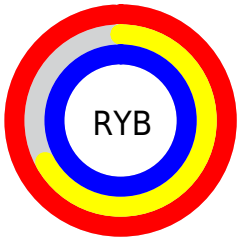
The CIELCh color 80, 51.952, 326.227 is a light color, and the websafe version is hex FF99FF. A complement of this color would be 92, 51.982, 142.062, and the grayscale version is 82, 0.010, 296.813.

A 20% lighter version of the original color is 93, 18.134, 325.054, and 60, 51.996, 326.237 is the 20% darker color. If you saturate the color by 10%, you get 75, 67.015, 326.730, and if you desaturate by 10%, it is 86, 36.245, 325.691.

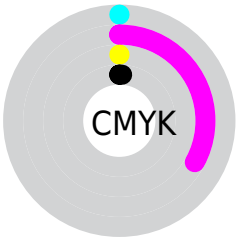
Distribution



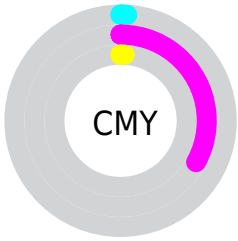
- Red (99%)
- Green (67%)
- Blue (99%)



- Red (99%)
- Yellow (67%)
- Blue (99%)



- Cyan (0%)
- Magenta (33%)
- Yellow (0%)
- Black (1%)



- Cyan (1%)
- Magenta (33%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 51.952, 326.227 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, 51.952, 326.227 by changing the saturation by 10% instead.

80, 51.952, 326.227

100, 51.952, 326.227

80, 51.952, 326.227

70, 51.952, 326.227

60, 51.952, 326.227

50, 51.952, 326.227

40, 51.952, 326.227

30, 51.952, 326.227

20, 51.952, 326.227

10, 51.952,

326.227

0, 51.952, 326.227

80, 51.952, 326.227

80, 51.952, 326.227

75, 67.015, 326.730

86, 36.245, 325.691

70, 80.913, 327.182

91, 20.309, 325.135

66, 93.030, 327.566

98, 4.435, 324.527

100, 1.272, 144.635

63, 102.756, 327.867

100, 1.272, 144.629

61, 109.633, 328.076

100, 1.272,

60, 113.531, 328.192

60, 114.856, 328.232

100, 1.272, 144.622

100, 1.272, 144.616

100, 1.272, 144.609

100, 1.271, 144.602

Harmonies

Complementary

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

80, 51.952, 326.227

92, 51.982, 142.062

Rectangle

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

80, 51.952, 326.227

80, 51.952, 16.227

80, 51.952, 146.227

80, 51.952, 196.227

Sweetspot

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

80, 51.949, 326.227

94, 15.934, 324.975

73, 44.364, 293.748

49, 10.879, 325.055

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, 51.949, 326.227

77, 61.783, 326.544

79, 37.618, 345.849

50, 9.057, 324.946

45, 93.083, 328.232

12, 42.823, 328.232

Inverse Universe

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

78, 32.977, 22.308

74, 40.330, 23.215

93, 36.250, 159.658

49, 5.254, 19.942

40, 84.229, 39.999

10, 33.367, 27.175

Previews

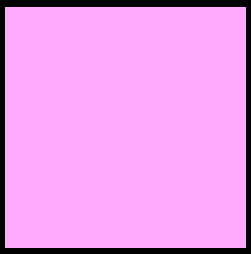
White Background

This preview shows how the CIELCh color 80, 51.952, 326.227 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



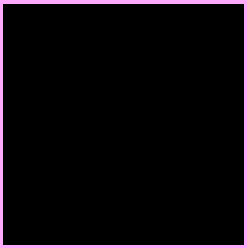
This preview shows how the CIELCh color 80, 51.952, 326.227 looks on a black background.

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, 51.952, 326.227 Background



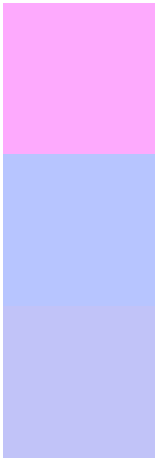
This preview shows how black text looks on a background with the CIELCh color 80, 51.952, 326.227.

This preview shows how white text looks on a background with the CIELCh color 80, 51.952, 326.227.

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
80, 51.952, 326.227

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 28.249, 291.331

Tritanopia
80, 25.290, 4.674

Trichromacy

Original Color
80, 51.952, 326.227

Protanomaly
80, 36.586, 304.035

Deuteranomaly
80, 35.653, 308.731

Tritanomaly
80, 32.941, 343.603

Monochromacy

Original Color
80, 51.952, 326.227

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 19.276, 325.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 51.952, 326.227 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(253, 170, 253) looks like.

```
.text, #text, p{
    color:rgb(253, 170, 253)
}
```

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(253, 170, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 170, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 51.952, 326.227 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(253, 170, 253) }
```

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

```
.border{ border-color:rgb(253, 170, 253) }
```

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

Here you see how a box with a 4 pixel rgb(253, 170, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 170, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 170, 253); box-shadow:4px 4px 4px 4px rgb(253, 170, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 51.952, 326.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(253, 170, 253) }
```

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

```
.background{ background-color:rgb(253,
170, 253) }
```

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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