Converting Colors

CIELCh(100, 95.265, 347.733)

Have a look what the booklet for CIELCh(100, 95.265, 347.733) contains.

Color

CIELCh(80, 53.712, 326.276)

Conversions

Conversions Part 1

Format	Color
Hex	FFA9FF
RGB	255, 169, 255
RGB Percent	100%, 66%, 100%
CMY	0.0011, 0.3383, 0.0011
CMYK	0.00, 0.34, 0.00, 0.00
HSL	300°, 99%, 83%
HSV	300°, 34%, 100%
XYZ	73.2742, 56.6813, 101.4445
YIQ	204.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

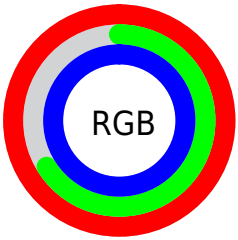
Format	Color
RYB	255, 169, 255
Decimal	16755199
CIELab	80.00, 44.67, -29.82
CIELCh	80, 53.712, 326.276
Yxy	56.6813, 0.3167, 0.2449
Android (android.graphics.Color)	4294945279 (0xFFFFA9FF)
YUV	204.5180, 24.8876, 44.2727
Hunter-Lab	75.2870, 41.9757, -27.1887

Details

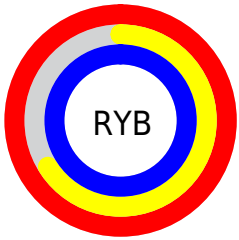
The CIELCh color 80, 53.712, 326.276 is a light color, and the websafe version is hex FF99FF. A complement of this color would be 93, 53.751, 141.973, and the grayscale version is 82, 0.010, 296.813.

A 20% lighter version of the original color is 93, 18.763, 325.076, and 60, 53.768, 326.304 is the 20% darker color. If you saturate the color by 10%, you get 75, 68.773, 326.775, and if you desaturate by 10%, it is 86, 37.957, 325.742.

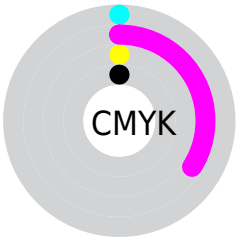
Distribution



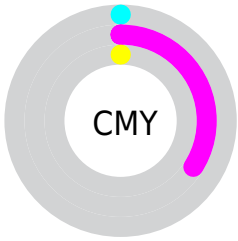
- Red (100%)
- Green (66%)
- Blue (100%)



- Red (100%)
- Yellow (66%)
- Blue (100%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 53.712, 326.276 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, 53.712, 326.276 by changing the saturation by 10% instead.

80, 53.712, 326.276

100, 53.712, 326.276

80, 53.712, 326.276

70, 53.712, 326.276

60, 53.712, 326.276

50, 53.712, 326.276

40, 53.712, 326.276

30, 53.712, 326.276

20, 53.712, 326.276

10, 53.712,

326.276

0, 53.712, 326.276

80, 53.712, 326.276

80, 53.712, 326.276

75, 68.773, 326.775

86, 37.957, 325.742

70, 82.606, 327.221

91, 21.938, 325.187

67, 94.586, 327.598

98, 5.958, 324.596

100, 0.167, 146.223

64, 104.106, 327.890

100, 0.166, 146.111

62, 110.730, 328.090

100, 0.166,

61, 114.368, 328.198

60, 115.469, 328.231

100, 0.166, 145.999

100, 0.166, 145.886

100, 0.166, 145.773

100, 0.165, 145.660

Harmonies

Complementary

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

80, 53.712, 326.276

93, 53.751, 141.973

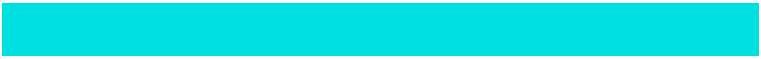
Rectangle

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

80, 53.712, 326.276

80, 53.712, 16.276

80, 53.712, 146.276



80, 53.712, 196.276

Sweetspot

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

80, 53.709, 326.276

94, 15.934, 324.974

73, 45.994, 293.909

49, 10.879, 325.054

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, 53.709, 326.276

76, 64.778, 326.642

79, 38.920, 345.958

50, 9.057, 324.946

45, 93.083, 328.231

12, 42.823, 328.231

Inverse Universe

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

77, 34.237, 22.436

73, 42.684, 23.539

94, 37.470, 159.547

49, 5.254, 19.940

40, 84.227, 39.998

10, 33.367, 27.174

Previews

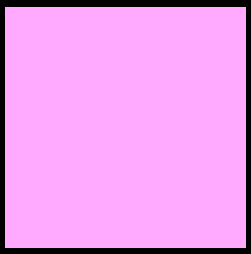
White Background

This preview shows how the CIELCh color 80, 53.712, 326.276 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



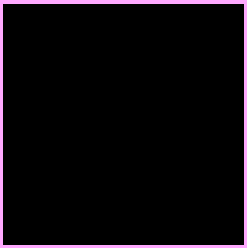
This preview shows how the CIELCh color 80, 53.712, 326.276 looks on a black background.

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, 53.712, 326.276 Background



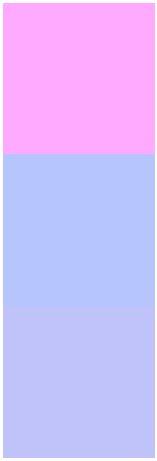
This preview shows how black text looks on a background with the CIELCh color 80, 53.712, 326.276.

This preview shows how white text looks on a background with the CIELCh color 80, 53.712, 326.276.

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, 53.712, 326.276

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 29.313, 290.845

Tritanopia
80, 26.029, 5.253

Trichromacy

Original Color
80, 53.712, 326.276

Protanomaly
80, 37.163, 304.402

Deuteranomaly
80, 37.289, 308.609

Tritanomaly
80, 33.793, 343.735

Monochromacy

Original Color
80, 53.712, 326.276

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 19.922, 325.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 53.712, 326.276 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(255, 169, 255) looks like.

```
.text, #text, p{
    color:rgb(255, 169, 255)
}
```

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(255, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 53.712, 326.276 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(255, 169, 255) }
```

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

```
.border{ border-color:rgb(255, 169, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 169, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 169, 255); box-shadow:4px 4px 4px 4px rgb(255, 169, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 53.712, 326.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 169, 255) }
```

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

```
.background{ background-color:rgb(255,
169, 255) }
```

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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