

Converting Colors

XYZ(84.1736, 100.0000,
103.8016)

Have a look what the booklet for
XYZ(84.1736, 100.0000, 103.8016)
contains.

XYZ(80.4348, 92.5935, 102.4399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.4348, 92.5935,
102.4399)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFF8
RGB	214, 255, 248
RGB Percent	84%, 100%, 97%
CMY	0.1608, 0.0000, 0.0274
CMYK	0.16, 0.00, 0.03, 0.00
HSL	170°, 100%, 92%
HSV	170°, 16%, 100%
XYZ	80.4348, 92.5935, 102.4399
YIQ	241.9430, -22.1890, -10.8690

Conversions

Conversions Part 2

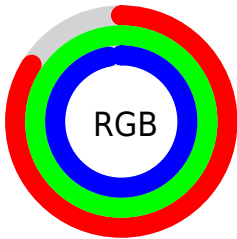
Format	Color
RYB	214, 236, 255
Decimal	14090232
CIELab	97.06, -14.40, -1.04
CIELCh	97, 14.436, 184.129
Yxy	92.5935, 0.2920, 0.3361
Android (android.graphics.Color)	4292280312 (0xFFD6FFF8)
YUV	241.9430, 2.9861, -24.5060
Hunter-Lab	96.2255, -19.1867, 4.2388

Details

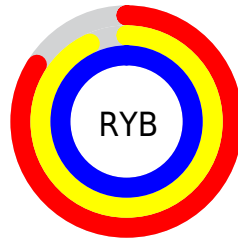
The XYZ color **80.4348, 92.5935, 102.4399** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.3383, 74.5746, 78.6722**, and the grayscale version is **84.3424, 88.7347, 96.6321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0066, 51.5649, 57.5028** is the 20% darker color. If you saturate the color by 10%, you get **72.8988, 88.7856, 98.6040**, and if you desaturate by 10%, it is **89.1533, 97.0090, 106.4160**.

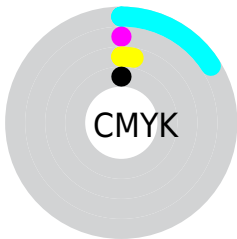
Distribution



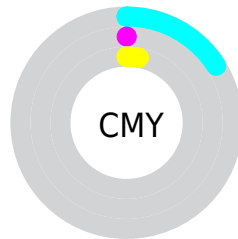
- Red (84%)
- Green (100%)
- Blue (97%)



- Red (84%)
- Yellow (93%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4348, 92.5935, 102.4399 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 XYZ color 80.4348, 92.5935, 102.4399 by changing the saturation by 10% instead.


 80.4348, 92.5935,
102.4399

 80.4348, 92.5935,
102.4399


485.1112,
536.4318, 589.3006

 60.3859, 70.1337,
77.7116


132.9242,
150.9357, 166.5872

 43.9804, 51.6355,
57.3220

166.0954,
187.5869, 206.8432

 30.8530, 36.7146,
40.8528

204.3714,
229.7373, 253.1122

 20.6382, 24.9866,
27.8852

248.1176,
277.7713, 305.8127

 12.9707, 16.0671,
18.0009

297.6993,
332.0734, 365.3632

 7.4853, 9.5716,
10.7812

353.4819,

 3.8164, 5.1159,

393.0279, 432.1824

5.8076

415.8307,
461.0192, 506.6886

■ 1.5988, 2.3154,
2.6615

■ 0.3916, 0.7819,
0.9240

■ 80.4348, 92.5935,
102.4399

■ 80.4348, 92.5935,
102.4399

■ 72.8988, 88.7856,
98.6040

■ 89.1533, 97.0090,
106.4160

■ 66.4885, 85.5563,
94.9007

95.0500, 100.0000,
108.9000

■ 61.1463, 82.8758,
91.3284

■ 56.8084, 80.7113,
87.8833

■ 53.4043, 79.0264,
84.5618

■ 50.8540, 77.7799,
81.3594

■ 49.0641, 76.9237,
78.2712

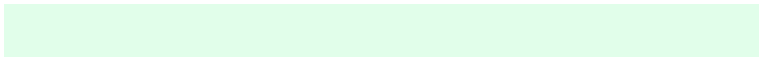
■ 47.9183, 76.3978,
75.2912

■ 47.5772, 76.2469,
74.1486

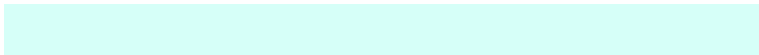
Harmonies

Analogous

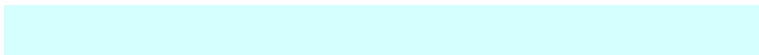
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1560, 92.5935, 91.3573



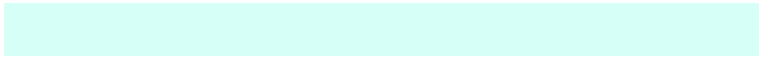
80.4348, 92.5935, 102.4399



81.6907, 92.5935, 113.9150

Triad

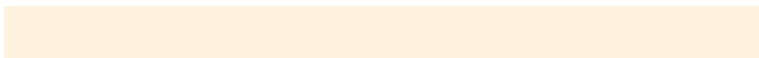
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4348, 92.5935, 102.4399



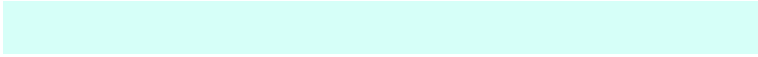
92.4687, 92.5935, 120.5198



91.4644, 92.5935, 81.9777

Complementary

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



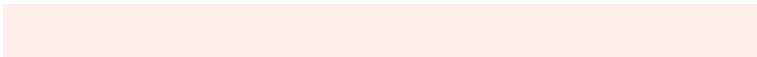
80.4348, 92.5935, 102.4399



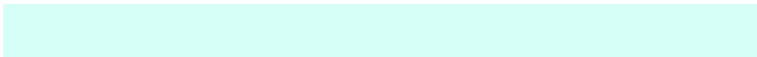
78.3383, 74.5746, 78.6722

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6415, 92.5935, 88.7665



80.4348, 92.5935, 102.4399



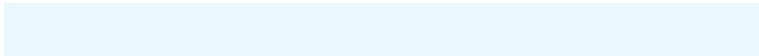
95.2338, 92.5935, 110.9116

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4348, 92.5935, 102.4399



88.5717, 92.5935, 124.8502



96.0408, 92.5935, 99.2145



87.4454, 92.5935, 80.0874

Rectangle

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



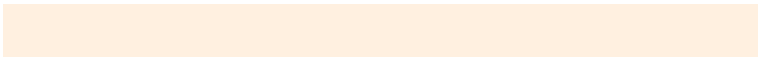
80.4348, 92.5935, 102.4399



83.5036, 92.5935, 120.0803



96.0408, 92.5935, 99.2145



92.6702, 92.5935, 83.7354

Sweetspot

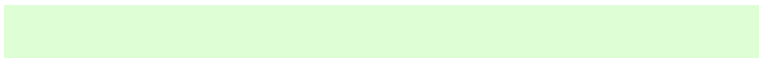
The Sweet Spot groups the original color and five complimentary colors.



80.4357, 92.5939, 102.4414



90.1654, 97.5221, 106.8527



77.8747, 91.8288, 77.2400



19.1575, 20.8020, 22.8099



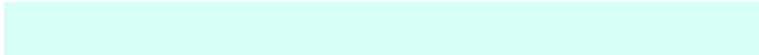
0.0000, 0.0000, 0.0000



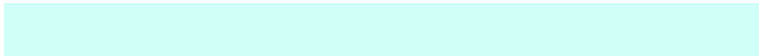
20.3446, 21.4041, 23.3091

Same Dimension

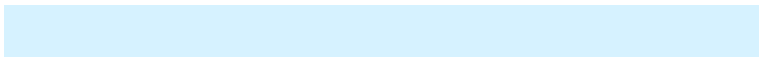
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4357, 92.5939, 102.4414



78.1134, 91.4194, 101.3059



77.5394, 85.0310, 106.9336



18.4139, 20.4251, 22.4825



24.9091, 39.8602, 39.0021



2.4589, 3.8945, 3.9744

Inverse Universe

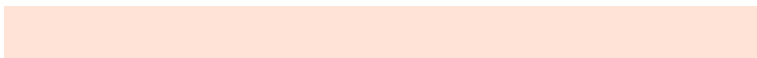
The Inverse Universe completely reimagines the original color for something new.



78.3383, 74.5746, 78.6722



75.6866, 70.5650, 73.8002



80.8428, 81.0450, 75.0021



18.1359, 18.0377, 19.3327



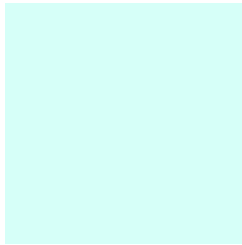
21.8184, 11.2166, 2.4280



2.1579, 1.1055, 0.4127

Previews

White Background



This preview shows how the XYZ color 80.4348, 92.5935, 102.4399 looks on a white background.

Color Contrast Check

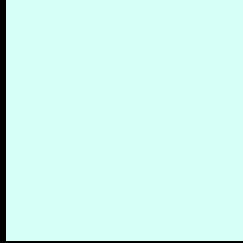
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.4348, 92.5935, 102.4399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

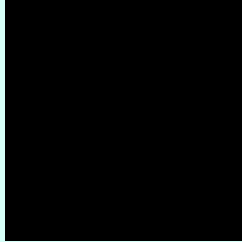
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

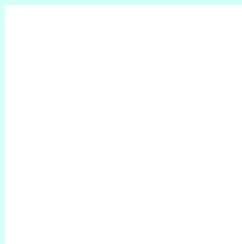
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4348, 92.5935, 102.4399

Background



This preview shows how black text looks on a background with the XYZ color 80.4348, 92.5935, 102.4399.

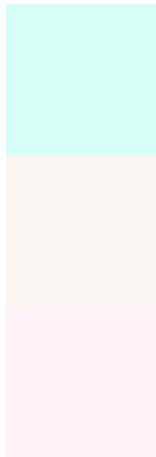


This preview shows how white text looks on a background with the XYZ color 80.4348, 92.5935,

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

80.4348, 92.5935, 102.4399

Protanopia

88.4631, 92.2249, 97.1431

Deuteranopia

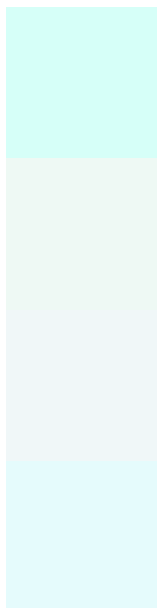
90.2339, 92.1385, 101.8356



Tritanopia

86.5425, 92.3593, 107.8736

Trichromacy



Original Color

80.4348, 92.5935, 102.4399

Protanomaly

85.4647, 92.4602, 98.9301

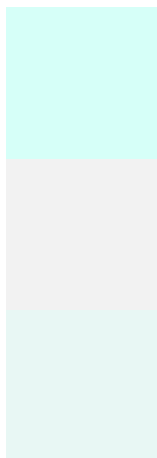
Deuteranomaly

86.1392, 91.8241, 101.9907

Tritanomaly

84.3810, 92.6806, 105.5373

Monochromacy



Original Color

80.4348, 92.5935, 102.4399

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

82.8686, 90.2090, 98.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4348, 92.5935, 102.4399 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(214, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 248)  
}
```

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(214, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 80.4348, 92.5935, 102.4399 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(214, 255, 248) }
```


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

```
.border{ border-color:rgb(214, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4348, 92.5935, 102.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 248) }
```

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

```
.background{ background-color: rgb(214,  
255, 248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor