

Converting Colors

XYZ(80.5815, 91.5887, 98.1351)

Have a look what the booklet for
XYZ(80.5815, 91.5887, 98.1351)
contains.

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Color

**XYZ(80.8181, 91.9373,
98.2801)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFDF3
RGB	220, 253, 243
RGB Percent	86%, 99%, 95%
CMY	0.1372, 0.0078, 0.0471
CMYK	0.13, 0.00, 0.04, 0.01
HSL	162°, 89%, 93%
HSV	162°, 13%, 99%
XYZ	80.8181, 91.9373, 98.2801
YIQ	241.9930, -16.4580, -10.1060

Conversions

Conversions Part 2

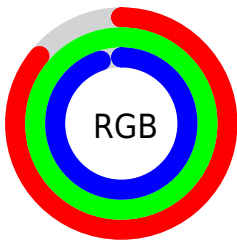
Format	Color
RYB	220, 239, 253
Decimal	14482931
CIELab	96.79, -12.49, 1.19
CIElCh	97, 12.551, 174.567
Yxy	91.9373, 0.2982, 0.3392
Android (android.graphics.Color)	4292673011 (0xFFDCDF3)
YUV	241.9930, 0.4965, -19.2879
Hunter-Lab	95.8839, -17.3438, 6.3471

Details

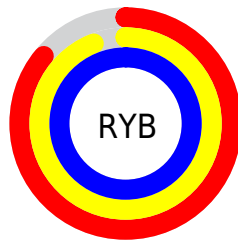
The XYZ color **80.8181, 91.9373, 98.2801** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.3874, 77.7845, 85.6440**, and the grayscale version is **84.4003, 88.7956, 96.6985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2266, 51.0670, 54.5396** is the 20% darker color. If you saturate the color by 10%, you get **72.5991, 87.8338, 91.9769**, and if you desaturate by 10%, it is **90.2495, 96.6652, 104.8964**.

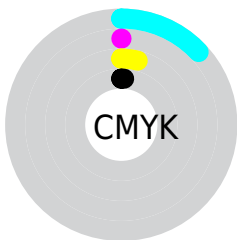
Distribution



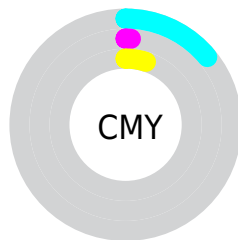
- Red (86%)
- Green (99%)
- Blue (95%)



- Red (86%)
- Yellow (94%)
- Blue (99%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (14%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8181, 91.9373, 98.2801 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 80.8181, 91.9373, 98.2801 by changing the saturation by 10% instead.

80.8181, 91.9373,
98.2801

80.8181, 91.9373,
98.2801

486.3803,
534.3129, 575.8638

60.7026, 69.5886,
74.2561

133.4598,
150.0265, 160.8228

44.2368, 51.1912,
54.5056

166.7167,
186.5357, 200.1787

31.0554, 36.3608,
38.6101

205.0848,
228.5339, 245.4822

20.7931, 24.7130,
26.1511

248.9294,
276.4054, 297.1519

13.0844, 15.8633,
16.7099

298.6159,
330.5347, 355.6064

7.5641, 9.4275,
9.8681

354.5097,

3.8668, 5.0211,

391.3061, 421.2642

5.2071

416.9760,
459.1040, 494.5438

■ 1.6270, 2.2596,
2.3084

■ 0.4099, 0.7522,
0.7359

■ 80.8181, 91.9373,
98.2801

■ 80.8181, 91.9373,
98.2801

■ 72.5991, 87.8338,
91.9769

■ 90.2495, 96.6652,
104.8964

■ 65.5323, 84.3163,
85.9753

■ 94.4170, 98.7341,
108.6890

■ 59.5638, 81.3594,
80.2714

■ 54.6322, 78.9318,
74.8594

■ 50.6700, 76.9986,
69.7327

■ 47.6015, 75.5209,
64.8846

■ 45.3391, 74.4535,
60.3077

■ 43.7765, 73.7418,
55.9934

■ 42.9949, 73.4012,
53.1407

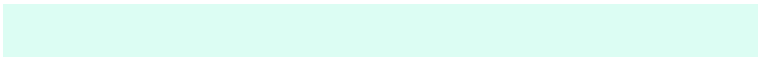
Harmonies

Analogous

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



81.9846, 91.9373, 89.2825



80.8181, 91.9373, 98.2801



81.3720, 91.9373, 108.3804

Triad

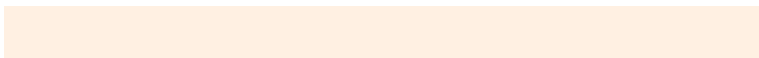
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8181, 91.9373, 98.2801



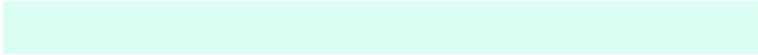
90.2276, 91.9373, 118.7864



91.3662, 91.9373, 85.1277

Complementary

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



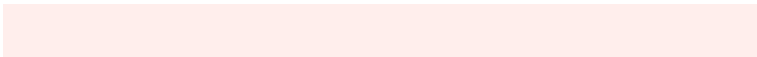
80.8181, 91.9373, 98.2801



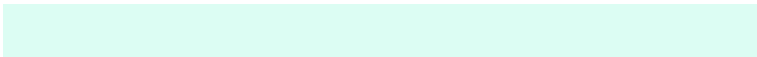
80.3874, 77.7845, 85.6440

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.



93.6843, 91.9373, 92.2603



80.8181, 91.9373, 98.2801



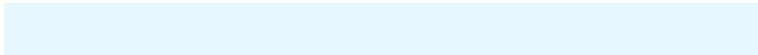
93.0146, 91.9373, 111.7665

Square

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



80.8181, 91.9373, 98.2801



86.7444, 91.9373, 120.6652



94.2955, 91.9373, 101.9505



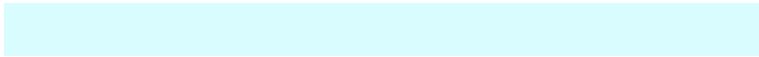
88.0260, 91.9373, 82.0224

Rectangle

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



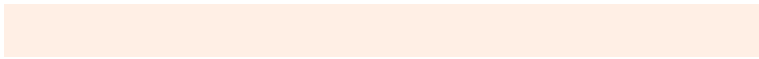
80.8181, 91.9373, 98.2801



82.6503, 91.9373, 114.3305



94.2955, 91.9373, 101.9505



92.2943, 91.9373, 87.1097

Sweetspot

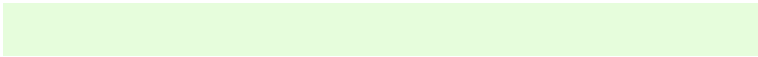
The Sweet Spot groups the original color and five complimentary colors.



80.8207, 91.9412, 98.2821



90.9026, 97.9190, 106.1284



80.8242, 92.3195, 81.2709



19.2948, 20.8774, 22.6055



0.0000, 0.0000, 0.0000



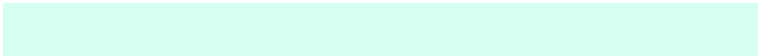
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8207, 91.9412, 98.2821



79.6723, 92.2952, 98.1194



80.4932, 88.8020, 105.8312



18.3066, 20.3822, 21.9174



22.9384, 39.0720, 28.6246



2.2820, 3.8237, 3.0429

Inverse Universe

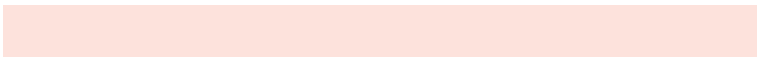
The Inverse Universe completely reimagines the original color for something new.



80.3874, 77.7845, 85.6440



79.1426, 74.9766, 82.6607



80.6392, 80.4723, 78.9940



18.2360, 18.0777, 19.8599



22.3117, 11.4140, 5.0261



2.2185, 1.1298, 0.7318

Previews

White Background



This preview shows how the XYZ color 80.8181, 91.9373, 98.2801 looks on a white background.

Color Contrast Check

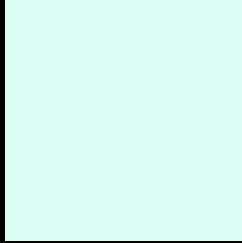
Large Text (above 18pt) WCAG AA × Fail

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 80.8181, 91.9373, 98.2801 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

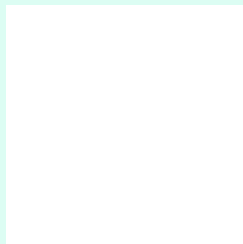
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8181, 91.9373, 98.2801

Background



This preview shows how black text looks on a background with the XYZ color 80.8181, 91.9373, 98.2801.



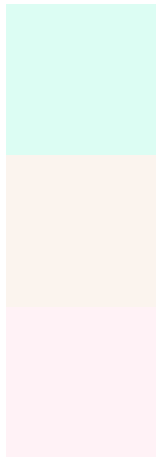
This preview shows how white text looks on a background with the XYZ color 80.8181, 91.9373,

98.2801.

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

80.8181, 91.9373, 98.2801

Protanopia

87.5670, 91.3836, 93.9125

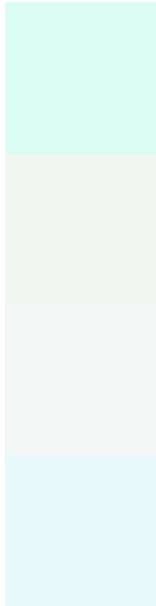
Deuteranopia

89.6267, 91.4181, 100.1104

Tritanopia

86.2358, 91.7461, 107.7714

Trichromacy



Original Color

80.8181, 91.9373, 98.2801

Protanomaly

84.9241, 91.3381, 95.5921

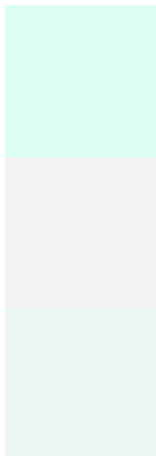
Deuteranomaly

86.0551, 91.3814, 99.4890

Tritanomaly

84.2433, 91.7053, 104.5276

Monochromacy



Original Color

80.8181, 91.9373, 98.2801

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

82.9145, 89.8148, 96.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8181, 91.9373, 98.2801 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, 253, 243)` looks like.

```
.text, #text, p{  
    color:rgb(220, 253, 243)  
}
```

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, 253, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 253, 243) }
```

Border

The CSS property to change the border of an element to XYZ 80.8181, 91.9373, 98.2801 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, 253, 243) }
```


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

```
.border{ border-color:rgb(220, 253, 243) }
```

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

Here you see how a box with a 4 pixel rgb(220, 253, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 253, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 253, 243);  
box-shadow:4px 4px 4px 4px rgb(220, 253,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8181, 91.9373, 98.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 253, 243) }
```

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

```
.background{ background-color: rgb(220,  
253, 243) }
```

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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