

Converting Colors

XYZ(80.8357, 90.6544, 93.3583)

Have a look what the booklet for
XYZ(80.8357, 90.6544, 93.3583)
contains.

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Color

**XYZ(80.8357, 90.6544,
93.3583)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FAED
RGB	226, 250, 237
RGB Percent	89%, 98%, 93%
CMY	0.1137, 0.0196, 0.0706
CMYK	0.10, 0.00, 0.05, 0.02
HSL	147°, 71%, 93%
HSV	147°, 10%, 98%
XYZ	80.8357, 90.6544, 93.3583
YIQ	241.3420, -10.1310, -9.1310

Conversions

Conversions Part 2

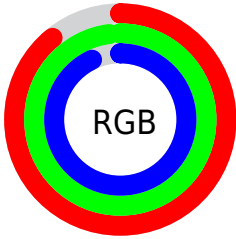
Format	Color
R_{YB}	226, 242, 250
Decimal	14875373
CIE _{Lab}	96.27, -10.19, 3.56
CIE _{LCh}	96, 10.793, 160.732
Yxy	90.6544, 0.3052, 0.3423
Android (android.graphics.Color)	4293065453 (0xFFE2FAED)
YUV	241.3420, -2.1406, -13.4549
Hunter-Lab	95.2126, -15.0752, 8.5135

Details

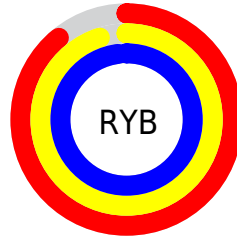
The XYZ color **80.8357, 90.6544, 93.3583** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.2040, 80.9510, 92.9581**, and the grayscale version is **83.9027, 88.2722, 96.1284**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4269, 50.5777, 51.1370** is the 20% darker color. If you saturate the color by 10%, you get **71.6562, 86.1448, 82.9872**, and if you desaturate by 10%, it is **91.3128, 95.8207, 104.5742**.

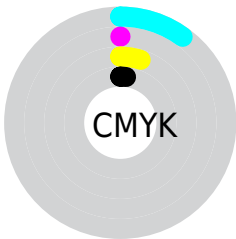
Distribution



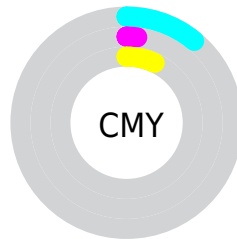
- Red (89%)
- Green (98%)
- Blue (93%)



- Red (89%)
- Yellow (95%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8357, 90.6544, 93.3583 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 80.8357, 90.6544, 93.3583 by changing the saturation by 10% instead.


 80.8357, 90.6544,
93.3583

 80.8357, 90.6544,
93.3583


486.4385,
530.1573, 559.7453

 60.7171, 68.5235,
70.1800


133.4844,
148.2471, 153.9706

 44.2486, 50.3238,
51.1956


166.7453,
184.4776, 192.2416

 31.0647, 35.6707,
35.9865


205.1176,
226.1769, 236.3807

 20.8002, 24.1800,
24.1342

248.9667,
273.7292, 286.8064

 13.0897, 15.4672,
15.2200

298.6580,
327.5190, 343.9371

 7.5677, 9.1479,
8.8256

354.5568,

 3.8691, 4.8378,

387.9307, 408.1915

4.5324

417.0285,
455.3487, 479.9880

■ 1.6283, 2.1524,
1.9217

■ 0.4108, 0.6939,
0.5065

■ 80.8357, 90.6544,
93.3583

■ 80.8357, 90.6544,
93.3583

■ 71.6562, 86.1448,
82.9872

■ 91.3128, 95.8207,
104.5742

■ 63.7142, 82.2537,
73.4353

■ 93.4773, 96.8547,
108.3758

■ 56.9559, 78.9564,
64.6842

■ 51.3207, 76.2220,
56.7127

■ 46.7421, 74.0165,
49.4986

■ 43.1464, 72.3026,
43.0186

■ 40.4497, 71.0373,
37.2479

■ 38.5526, 70.1700,
32.1600

■ 37.3006, 69.6214,
27.7246

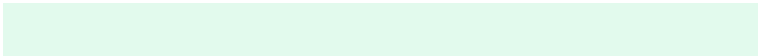
Harmonies

Analogous

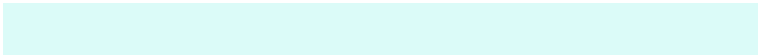
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4568, 90.6544, 86.7166



80.8357, 90.6544, 93.3583



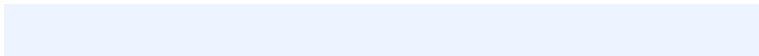
80.6230, 90.6544, 101.8139

Triad

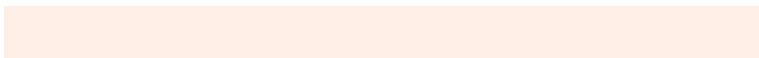
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8357, 90.6544, 93.3583



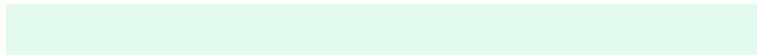
87.2423, 90.6544, 115.8348



90.6073, 90.6544, 88.3204

Complementary

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



80.8357, 90.6544, 93.3583



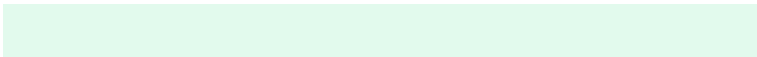
82.2040, 80.9510, 92.9581

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.



91.9538, 90.6544, 95.6644



80.8357, 90.6544, 93.3583



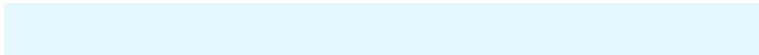
89.9813, 90.6544, 111.7552

Square

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



80.8357, 90.6544, 93.3583



84.2758, 90.6544, 115.1286



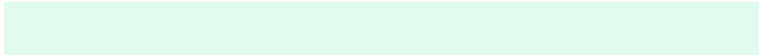
91.7220, 90.6544, 104.2567



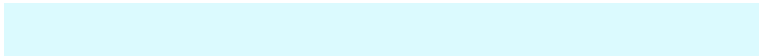
88.0808, 90.6544, 83.9267

Rectangle

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



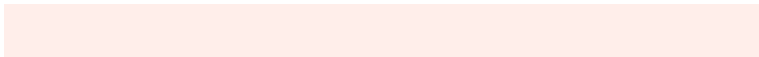
80.8357, 90.6544, 93.3583



81.3030, 90.6544, 107.3876



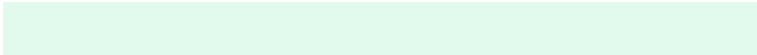
91.7220, 90.6544, 104.2567



91.2156, 90.6544, 90.5077

Sweetspot

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



80.8382, 90.6582, 93.3603



91.6312, 98.3138, 105.2946



83.5805, 92.2520, 85.3540



19.4218, 20.9490, 22.3340



0.0000, 0.0000, 0.0000



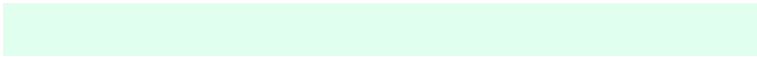
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8382, 90.6582, 93.3603



82.1194, 93.6292, 94.9591



82.6205, 91.3711, 102.7453



17.3482, 19.4416, 20.0342



19.8320, 36.9458, 14.9906



1.8896, 3.4429, 1.6664

Inverse Universe

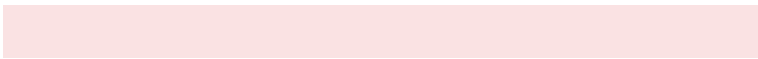
The Inverse Universe completely reimagines the original color for something new.



82.2040, 80.9510, 92.9581



83.8771, 81.1361, 94.4413



80.5162, 80.2759, 84.0704



17.6379, 17.3825, 19.9489



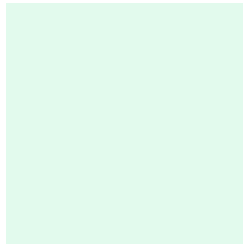
23.3214, 11.7443, 13.6669



2.2135, 1.1091, 1.5476

Previews

White Background



This preview shows how the XYZ color 80.8357, 90.6544, 93.3583 looks on a white background.

Color Contrast Check

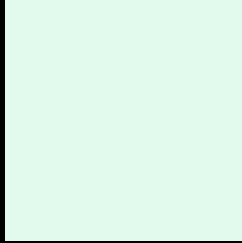
Large Text (above 18pt) WCAG AA × Fail

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 80.8357, 90.6544, 93.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

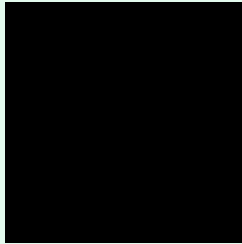
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

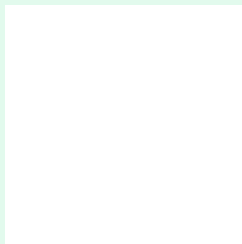
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8357, 90.6544, 93.3583

Background



This preview shows how black text looks on a background with the XYZ color 80.8357, 90.6544, 93.3583.



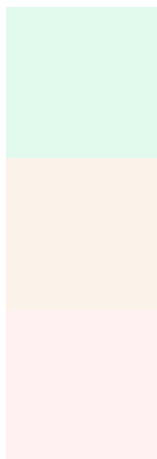
This preview shows how white text looks on a background with the XYZ color 80.8357, 90.6544,

93.3583.

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

80.8357, 90.6544, 93.3583

Protanopia

86.5422, 90.4936, 89.9965

Deuteranopia

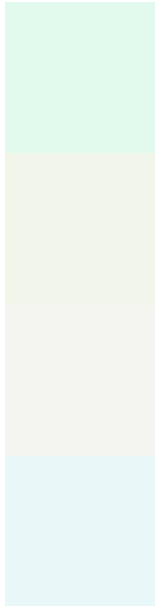
88.7223, 90.5814, 96.8122



Tritanopia

85.6275, 90.5293, 107.5686

Trichromacy



Original Color

80.8357, 90.6544, 93.3583

Protanomaly

84.4250, 90.7293, 90.9047

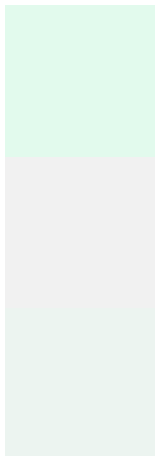
Deuteranomaly

85.3871, 90.2257, 95.3530

Tritanomaly

83.8083, 90.6225, 101.8817

Monochromacy



Original Color

80.8357, 90.6544, 93.3583

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.6709, 88.8255, 95.2259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8357, 90.6544, 93.3583 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(226, 250, 237)` looks like.

```
.text, #text, p{  
    color:rgb(226, 250, 237)  
}
```

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(226, 250, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 250, 237) }
```

Border

The CSS property to change the border of an element to XYZ 80.8357, 90.6544, 93.3583 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(226, 250, 237) }
```


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

```
.border{ border-color:rgb(226, 250, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 250, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 250, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 250, 237);  
box-shadow:4px 4px 4px 4px rgb(226, 250,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8357, 90.6544, 93.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 250, 237) }
```

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

```
.background{ background-color: rgb(226,  
250, 237) }
```

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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