

Converting Colors

XYZ(80.4863, 89.0675, 93.9401)

Have a look what the booklet for XYZ(80.4863, 89.0675, 93.9401) contains.

- XYZ(80.3719, 89.0255, 93.8365) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(80.3719, 89.0255,
93.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F7EE
RGB	227, 247, 238
RGB Percent	89%, 97%, 93%
CMY	0.1098, 0.0314, 0.0667
CMYK	0.08, 0.00, 0.04, 0.03
HSL	153°, 56%, 93%
HSV	153°, 8%, 97%
XYZ	80.3719, 89.0255, 93.8365
YIQ	239.9940, -9.0310, -7.0390

Conversions

Conversions Part 2

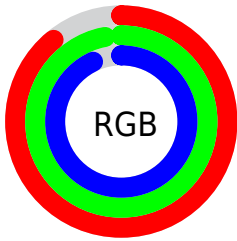
Format	Color
R _Y B	227, 240, 247
Decimal	14940142
CIE Lab	95.59, -8.18, 2.07
CIE LCh	96, 8.438, 165.791
Yxy	89.0255, 0.3053, 0.3382
Android (android.graphics.Color)	4293130222 (0xFFE3F7EE)
YUV	239.9940, -0.9830, -11.3957
Hunter-Lab	94.3533, -13.0687, 7.0821

Details

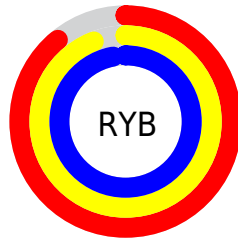
The XYZ color **80.3719, 89.0255, 93.8365** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.9704, 80.7706, 90.6837**, and the grayscale version is **82.8344, 87.1482, 94.9044**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0876, 49.4097, 51.4693** is the 20% darker color. If you saturate the color by 10%, you get **71.5503, 84.6632, 85.1597**, and if you desaturate by 10%, it is **90.4171, 94.0119, 103.1009**.

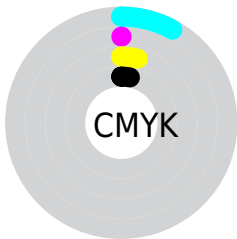
Distribution



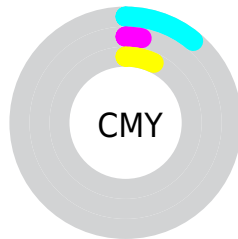
- Red (89%)
- Green (97%)
- Blue (93%)



- Red (89%)
- Yellow (94%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)





- Cyan (11%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3719, 89.0255, 93.8365 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 80.3719, 89.0255, 93.8365 by changing the saturation by 10% instead.


 80.3719, 89.0255,
93.8365

 80.3719, 89.0255,
93.8365


484.9027,
524.8557, 561.3223

 60.3340, 67.1727,
70.5754


132.8363,
145.9840, 154.6379

 43.9384, 49.2250,
51.5161


165.9934,
181.8585, 193.0154

 30.8198, 34.7980,
36.2399


204.2543,
223.1757, 237.2687

 20.6128, 23.5073,
24.3284

247.9843,
270.3200, 287.8164

 12.9521, 14.9685,
15.3630

297.5488,
323.6757, 345.0771

 7.4723, 8.7973,
8.9251

353.3131,

 3.8082, 4.6092,

383.6273, 409.4693

4.5962

415.6427,
450.5592, 481.4115

■ 1.5942, 2.0199,
1.9578

■ 0.3886, 0.6190,
0.5291

■ 80.3719, 89.0255,
93.8365

■ 80.3719, 89.0255,
93.8365

■ 71.5503, 84.6632,
85.1597

■ 90.4171, 94.0119,
103.1009

■ 63.8955, 80.8885,
77.0528

■ 92.5525, 95.0050,
108.0675

■ 57.3575, 77.6784,
69.5057

■ 51.8795, 75.0036,
62.5058

■ 47.3996, 72.8326,
56.0399

■ 43.8490, 71.1301,
50.0941

■ 41.1497, 69.8562,
44.6539

■ 39.2101, 68.9638,
39.7035

■ 37.9045, 68.3886,
35.2252

Harmonies

Analogous

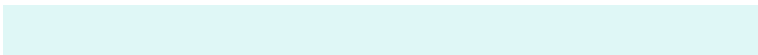
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4638, 89.0255, 88.3095



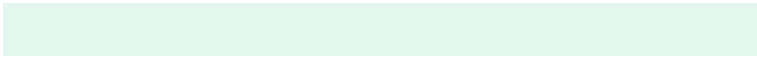
80.3719, 89.0255, 93.8365



80.4026, 89.0255, 100.4460

Triad

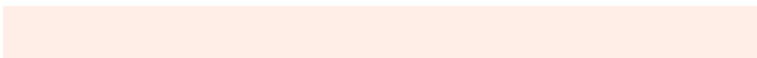
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3719, 89.0255, 93.8365



85.8337, 89.0255, 109.7318



87.7595, 89.0255, 88.0758

Complementary

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



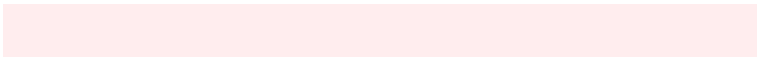
80.3719, 89.0255, 93.8365



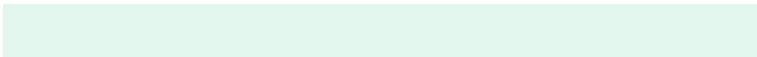
80.9704, 80.7706, 90.6837

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.



88.9742, 89.0255, 93.5041



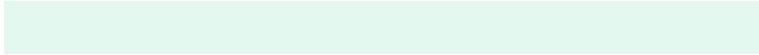
80.3719, 89.0255, 93.8365



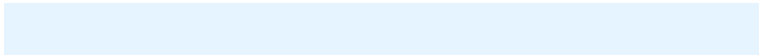
87.8486, 89.0255, 106.1017

Square

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



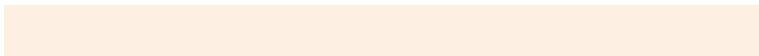
80.3719, 89.0255, 93.8365



83.5276, 89.0255, 109.8308



89.0071, 89.0255, 100.0982



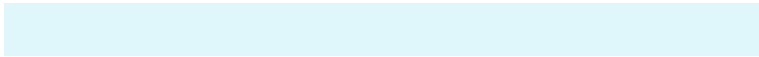
85.7139, 89.0255, 85.0878

Rectangle

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



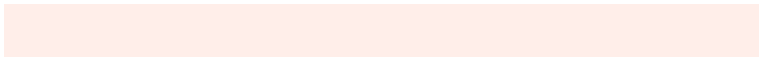
80.3719, 89.0255, 93.8365



81.0548, 89.0255, 104.5856



89.0071, 89.0255, 100.0982



88.2801, 89.0255, 89.6643

Sweetspot

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



80.3744, 89.0293, 93.8385



92.8311, 98.8986, 106.8785



81.8318, 89.9617, 85.7255



19.8929, 21.1799, 22.8977



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

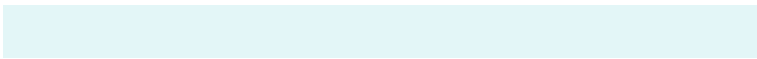
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3744, 89.0293, 93.8385



84.4896, 94.7631, 99.0463



81.5273, 89.1648, 100.9138



16.6636, 18.6246, 19.5126



20.0069, 36.1476, 18.5878



1.8102, 3.1977, 1.9063

Inverse Universe

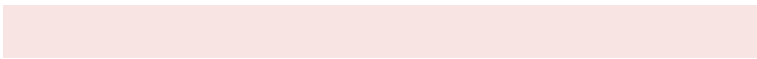
The Inverse Universe completely reimagines the original color for something new.



80.9704, 80.7706, 90.6837



85.2717, 83.9253, 94.9064



79.8774, 80.6258, 84.0265



16.8092, 16.6065, 18.7417



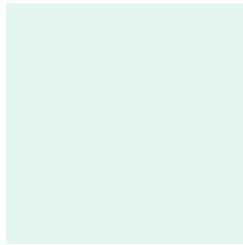
21.8780, 11.0947, 9.3321



1.9739, 0.9955, 1.0889

Previews

White Background



This preview shows how the XYZ color 80.3719, 89.0255, 93.8365 looks on a white background.

Color Contrast Check

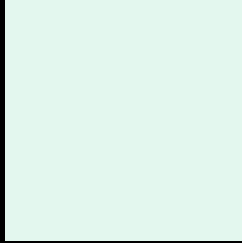
Large Text (above 18pt) WCAG AA × Fail

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 80.3719, 89.0255, 93.8365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

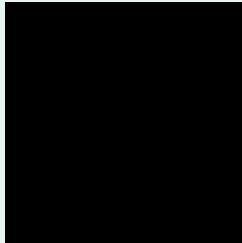
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

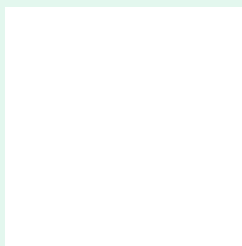
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3719, 89.0255, 93.8365

Background



This preview shows how black text looks on a background with the XYZ color 80.3719, 89.0255, 93.8365.



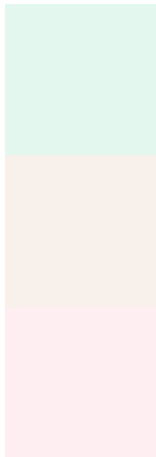
This preview shows how white text looks on a background with the XYZ color 80.3719, 89.0255,

93.8365.

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

80.3719, 89.0255, 93.8365

Protanopia

85.1621, 88.8652, 91.2614

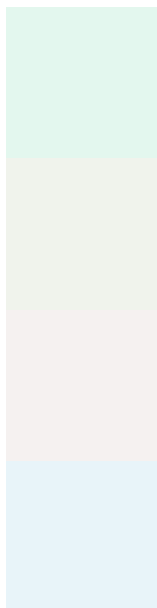
Deuteranopia

87.6917, 88.7599, 95.7296

Tritanopia

84.3615, 88.9834, 107.3369

Trichromacy



Original Color

80.3719, 89.0255, 93.8365

Protanomaly

83.1261, 88.6826, 92.0931

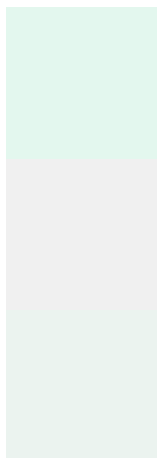
Deuteranomaly

84.8397, 88.6143, 95.0708

Tritanomaly

82.7283, 88.6967, 102.3825

Monochromacy



Original Color

80.3719, 89.0255, 93.8365

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8915, 87.9953, 94.3300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3719, 89.0255, 93.8365 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(227, 247, 238) looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 238)  
}
```

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(227, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 238) }
```

Border

The CSS property to change the border of an element to XYZ 80.3719, 89.0255, 93.8365 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(227, 247, 238) }
```


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

```
.border{ border-color:rgb(227, 247, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 247, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3719, 89.0255, 93.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 247, 238) }
```

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

```
.background{ background-color: rgb(227,  
247, 238) }
```

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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