

Converting Colors

XYZ(76.6348, 80.7767, 96.5063)

Have a look what the booklet for
XYZ(76.6348, 80.7767, 96.5063)
contains.

XYZ(76.6806, 80.9176, 96.3712)	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(76.6806, 80.9176,
96.3712)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E9F3
RGB	226, 233, 243
RGB Percent	89%, 91%, 95%
CMY	0.1137, 0.0863, 0.0471
CMYK	0.07, 0.04, 0.00, 0.05
HSL	215°, 41%, 92%
HSV	215°, 7%, 95%
XYZ	76.6806, 80.9176, 96.3712
YIQ	232.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

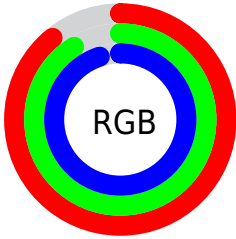
Format	Color
R _Y B	226, 231, 243
Decimal	14871027
CIE Lab	92.10, -0.46, -5.65
CIE LCh	92, 5.674, 265.317
Yxy	80.9176, 0.3019, 0.3186
Android (android.graphics.Color)	4293061107 (0xFFE2E9F3)
YUV	232.0470, 5.3998, -5.3032
Hunter-Lab	89.9542, -5.2593, -0.5516

Details

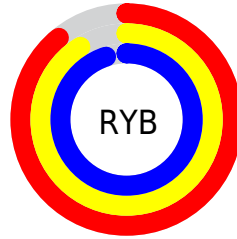
The XYZ color **76.6806, 80.9176, 96.3712** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.6854, 84.5360, 84.0174**, and the grayscale version is **76.7037, 80.6983, 87.8804**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4864, 43.6901, 53.2602** is the 20% darker color. If you saturate the color by 10%, you get **65.7119, 69.5011, 94.7470**, and if you desaturate by 10%, it is **89.0615, 93.5528, 98.1587**.

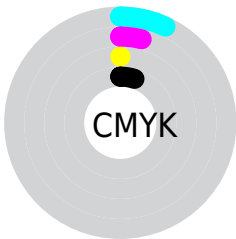
Distribution



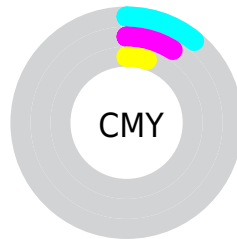
- Red (89%)
- Green (91%)
- Blue (95%)



- Red (89%)
- Yellow (91%)
- Blue (95%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6806, 80.9176, 96.3712 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 76.6806, 80.9176, 96.3712 by changing the saturation by 10% instead.

■ 76.6806, 80.9176,
96.3712

■ 76.6806, 80.9176,
96.3712

472.5830,
498.0198, 569.6416

■ 57.2898, 60.4737,
72.6736

127.6638,
134.6551, 158.1695

■ 41.4790, 43.8006,
53.2189

159.9868,
168.7175, 197.1072

■ 28.8829, 30.5138,
37.5886

197.3513,
208.0881, 241.9620

■ 19.1361, 20.2289,
25.3642

240.1226,
253.1515, 293.1524

■ 11.8732, 12.5615,
16.1271

288.6661,
304.2920, 351.0971

■ 6.7290, 7.1273,
9.4588

343.3470,

■ 3.3380, 3.5419,

361.8939, 416.2145

4.9408

404.5309,
426.3418, 488.9231

■ 1.3349, 1.4207,
2.1544

■ 0.2091, 0.2319,
0.6479

■ 76.6806, 80.9176,
96.3712

■ 76.6806, 80.9176,
96.3712

■ 65.7119, 69.5011,
94.7470

■ 89.0615, 93.5528,
98.1587

■ 56.0954, 59.2543,
93.2760

■ 93.1779, 99.2512,
99.0417

■ 47.7771, 50.1398,
91.9551

■ 40.6966, 42.1138,
90.7791

■ 34.7879, 35.1297,
89.7425

■ 29.9788, 29.1367,
88.8392

■ 26.1881, 24.0787,
88.0627

■ 23.3213, 19.8920,
87.4057

■ 21.2601, 16.4999,
86.8596

Harmonies

Analogous

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



75.3220, 80.9176, 94.8895



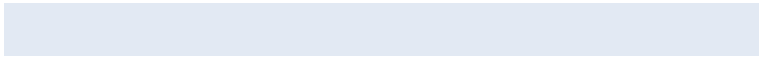
76.6806, 80.9176, 96.3712



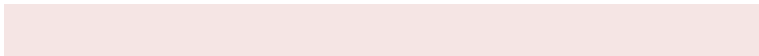
78.1175, 80.9176, 95.5814

Triad

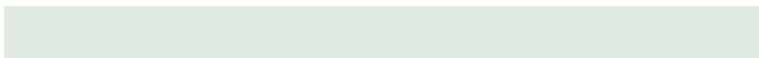
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6806, 80.9176, 96.3712



79.4776, 80.9176, 84.7091



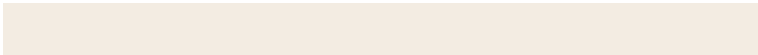
74.6224, 80.9176, 83.6055

Complementary

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



76.6806, 80.9176, 96.3712



80.6854, 84.5360, 84.0174

Split Complementary

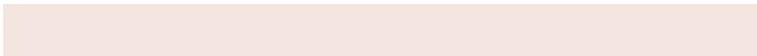
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7145, 80.9176, 81.0300



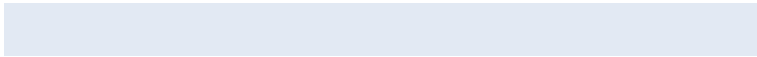
76.6806, 80.9176, 96.3712



78.5197, 80.9176, 81.6528

Square

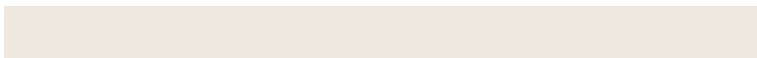
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



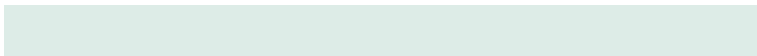
76.6806, 80.9176, 96.3712



79.7442, 80.9176, 88.7641



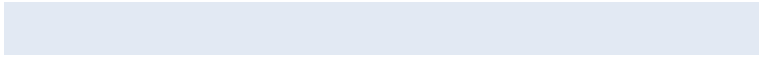
77.1394, 80.9176, 80.3265



74.1433, 80.9176, 87.4502

Rectangle

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



76.6806, 80.9176, 96.3712



78.9248, 80.9176, 93.8858



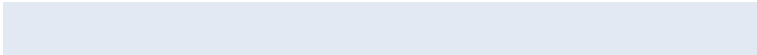
77.1394, 80.9176, 80.3265



74.9293, 80.9176, 82.5675

Sweetspot

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



76.6829, 80.9210, 96.3730



92.2492, 97.1470, 108.4969



78.5442, 86.3226, 91.8170



19.7745, 20.8234, 23.2270



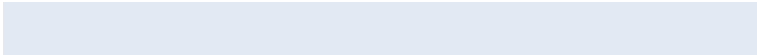
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



76.6829, 80.9210, 96.3730



84.2308, 88.9178, 107.3312



75.1855, 77.2640, 95.7460



16.1419, 17.0480, 20.9824



11.5110, 8.8157, 47.6329



1.1103, 0.9721, 4.2194

Inverse Universe

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



78.8683, 79.3322, 88.2506



87.0122, 86.9192, 96.9883



82.2545, 88.3971, 84.6800



16.7822, 16.5957, 18.5996



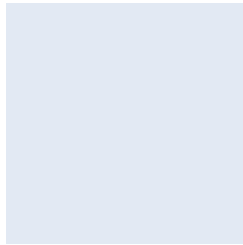
21.6147, 10.9893, 7.9454



1.9495, 0.9858, 0.9605

Previews

White Background



This preview shows how the XYZ color 76.6806, 80.9176, 96.3712 looks on a white background.

Color Contrast Check

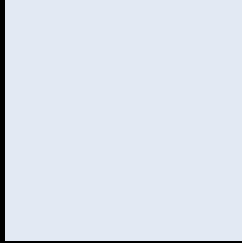
Large Text (above 18pt) WCAG AA × Fail

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 76.6806, 80.9176, 96.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

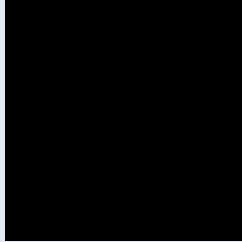
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

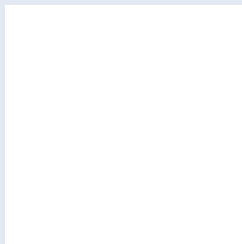
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6806, 80.9176, 96.3712

Background



This preview shows how black text looks on a background with the XYZ color 76.6806, 80.9176, 96.3712.



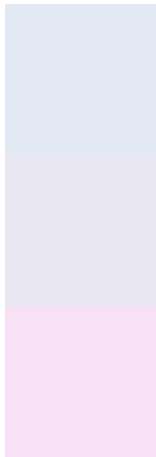
This preview shows how white text looks on a background with the XYZ color 76.6806, 80.9176,

96.3712.

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

76.6806, 80.9176, 96.3712

Protanopia

78.2072, 80.8863, 95.4951

Deuteranopia

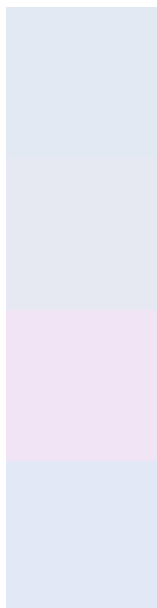
82.4736, 80.5827, 97.5934



Tritanopia

77.7905, 80.9462, 101.9667

Trichromacy



Original Color

76.6806, 80.9176, 96.3712

Protanomaly

77.5168, 80.9470, 95.5432

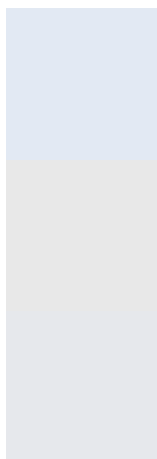
Deuteranomaly

80.3482, 80.7192, 96.9335

Tritanomaly

77.3237, 80.7595, 99.5084

Monochromacy



Original Color

76.6806, 80.9176, 96.3712

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6301, 80.5923, 90.8739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6806, 80.9176, 96.3712 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, 233, 243) looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 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(226, 233, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 243) }
```

Border

The CSS property to change the border of an element to XYZ 76.6806, 80.9176, 96.3712 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, 233, 243) }
```


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

```
.border{ border-color:rgb(226, 233, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 233, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 233, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 233, 243);  
box-shadow:4px 4px 4px 4px rgb(226, 233,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6806, 80.9176, 96.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 233, 243) }
```

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

```
.background{ background-color: rgb(226,  
233, 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](#).

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