

Converting Colors

XYZ(77.2816, 80.5452, 94.5729)

Have a look what the booklet for
XYZ(77.2816, 80.5452, 94.5729)
contains.

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Color

**XYZ(77.0862, 80.3257,
94.6606)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E7F1
RGB	230, 231, 241
RGB Percent	90%, 91%, 95%
CMY	0.0980, 0.0941, 0.0549
CMYK	0.05, 0.04, 0.00, 0.05
HSL	235°, 28%, 92%
HSV	235°, 5%, 95%
XYZ	77.0862, 80.3257, 94.6606
YIQ	231.8410, -3.8060, 2.8980

Conversions

Conversions Part 2

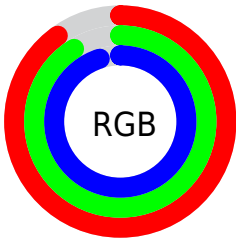
Format	Color
R _Y B	230, 231, 241
Decimal	15132657
CIE Lab	91.83, 1.49, -4.97
CIE LCh	92, 5.188, 286.748
Yxy	80.3257, 0.3058, 0.3187
Android (android.graphics.Color)	4293322737 (0xFFE6E7F1)
YUV	231.8410, 4.5154, -1.6146
Hunter-Lab	89.6246, -3.3151, 0.1157

Details

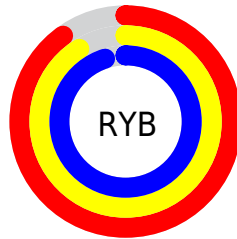
The XYZ color **77.0862, 80.3257, 94.6606** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7187, 86.7332, 87.2983**, and the grayscale version is **76.5542, 80.5409, 87.7091**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7661, 43.2767, 52.0509** is the 20% darker color. If you saturate the color by 10%, you get **64.1298, 65.1109, 92.4080**, and if you desaturate by 10%, it is **91.8835, 97.6325, 97.2225**.

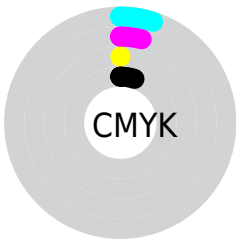
Distribution



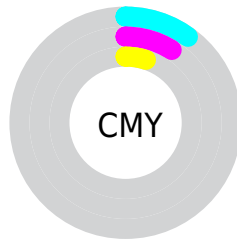
- Red (90%)
- Green (91%)
- Blue (95%)



- Red (90%)
- Yellow (91%)
- Blue (95%)



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



- Cyan (10%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0862, 80.3257, 94.6606 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 77.0862, 80.3257, 94.6606 by changing the saturation by 10% instead.

■ 77.0862, 80.3257,
94.6606

■ 77.0862, 80.3257,
94.6606

473.9453,
496.0298, 564.0344

■ 57.6238, 59.9864,
71.2572

128.2334,
133.8236, 155.7872

■ 41.7484, 43.4077,
52.0690

160.6488,
167.7509, 194.3474

■ 29.0946, 30.2051,
36.6775

198.1127,
206.9764, 238.7970

■ 19.2970, 19.9943,
24.6640

240.9903,
251.8844, 289.5545

■ 11.9904, 12.3909,
15.6102

289.6470,
302.8594, 347.0385

■ 6.8093, 7.0105,
9.0974

344.4482,

■ 3.3884, 3.4687,

360.2857, 411.6674

4.7071

405.7591,
424.5477, 483.8599

■ 1.3623, 1.3810,
2.0207

■ 0.2291, 0.2027,
0.5680

■ 77.0862, 80.3257,
94.6606

■ 77.0862, 80.3257,
94.6606

■ 64.1298, 65.1109,
92.4080

■ 91.8835, 97.6325,
97.2225

■ 52.9355, 51.8990,
90.4478

■ 92.8774, 99.1310,
97.4593

■ 43.4291, 40.6094,
88.7697

■ 35.5283, 31.1523,
87.3608

■ 29.1443, 23.4308,
86.2068

■ 24.1791, 17.3389,
85.2926

■ 20.5235, 12.7587,
84.6013

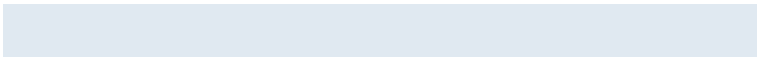
■ 18.0520, 9.5568,
84.1135

■ 16.6140, 7.5755,
83.8069

Harmonies

Analogous

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



75.7627, 80.3257, 94.7825



77.0862, 80.3257, 94.6606



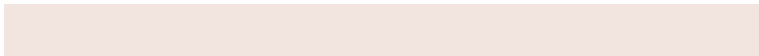
78.2243, 80.3257, 92.5740

Triad

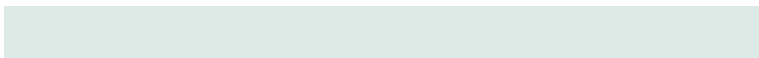
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0862, 80.3257, 94.6606



78.1122, 80.3257, 82.2363



73.8858, 80.3257, 85.7935

Complementary

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



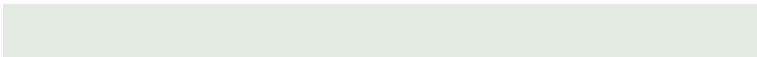
77.0862, 80.3257, 94.6606



81.7187, 86.7332, 87.2983

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.



74.5003, 80.3257, 82.5399



77.0862, 80.3257, 94.6606



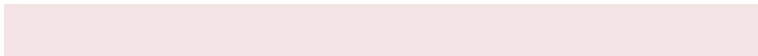
76.9346, 80.3257, 80.5266

Square

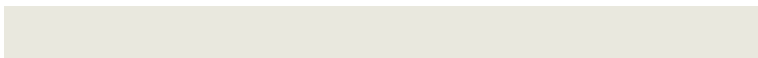
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0862, 80.3257, 94.6606



78.8213, 80.3257, 85.3682



75.6129, 80.3257, 80.6361



73.9253, 80.3257, 89.5878

Rectangle

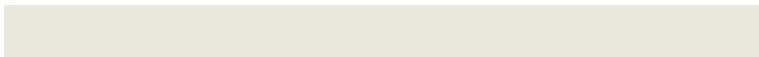
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0862, 80.3257, 94.6606



78.7200, 80.3257, 90.3831



75.6129, 80.3257, 80.6361



74.0225, 80.3257, 84.6026

Sweetspot

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



77.0885, 80.3291, 94.6624



93.3832, 98.0499, 108.6114



79.8030, 86.0202, 94.7589



20.0054, 21.0073, 23.2504



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.



77.0885, 80.3291, 94.6624



86.9283, 90.4905, 107.4925



78.2384, 80.5060, 94.6359



16.0877, 16.7213, 20.1012



8.8065, 3.8373, 45.4044



0.7718, 0.3976, 3.7903

Inverse Universe

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



78.9980, 81.0654, 87.0889



89.3068, 91.4093, 98.0586



80.5311, 86.5608, 87.3276



16.5905, 16.9160, 18.1067



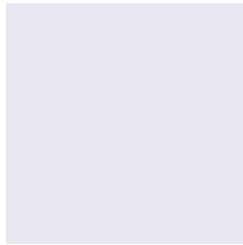
19.7707, 10.1807, 1.4433



1.6645, 0.8549, 0.2243

Previews

White Background



This preview shows how the XYZ color 77.0862, 80.3257, 94.6606 looks on a white background.

Color Contrast Check

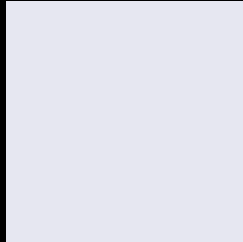
Large Text (above 18pt) WCAG AA × Fail

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 77.0862, 80.3257, 94.6606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

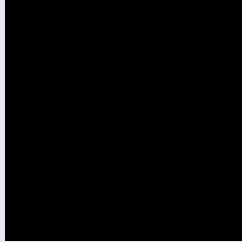
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

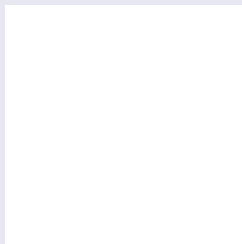
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0862, 80.3257, 94.6606

Background



This preview shows how black text looks on a background with the XYZ color 77.0862, 80.3257, 94.6606.



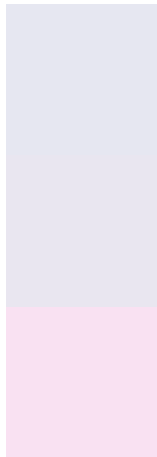
This preview shows how white text looks on a background with the XYZ color 77.0862, 80.3257,

94.6606.

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

77.0862, 80.3257, 94.6606

Protanopia

77.6293, 80.2085, 93.8284

Deuteranopia

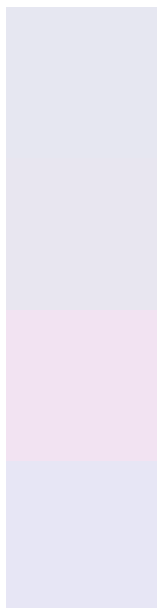
82.0191, 80.4010, 95.2005



Tritanopia

78.1951, 80.3599, 100.1966

Trichromacy



Original Color

77.0862, 80.3257, 94.6606

Protanomaly

77.3037, 80.0407, 93.8131

Deuteranomaly

80.1140, 80.2262, 95.2671

Tritanomaly

77.7332, 80.1751, 97.7646

Monochromacy



Original Color

77.0862, 80.3257, 94.6606

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8070, 80.7003, 90.1258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0862, 80.3257, 94.6606 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(230, 231, 241) looks like.

```
.text, #text, p{  
    color:rgb(230, 231, 241)  
}
```

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(230, 231, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 231, 241) }
```

Border

The CSS property to change the border of an element to XYZ 77.0862, 80.3257, 94.6606 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(230, 231, 241) }
```


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

```
.border{ border-color:rgb(230, 231, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 231, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 231, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 231, 241);  
box-shadow:4px 4px 4px 4px rgb(230, 231,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0862, 80.3257, 94.6606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 231, 241) }
```

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

```
.background{ background-color: rgb(230,  
231, 241) }
```

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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