

Converting Colors

XYZ(77.4614, 80.8734, 97.7676)

Have a look what the booklet for
XYZ(77.4614, 80.8734, 97.7676)
contains.

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Color

**XYZ(77.3330, 80.7998,
97.9062)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E8F5
RGB	228, 232, 245
RGB Percent	89%, 91%, 96%
CMY	0.1059, 0.0902, 0.0392
CMYK	0.07, 0.05, 0.00, 0.04
HSL	226°, 46%, 93%
HSV	226°, 7%, 96%
XYZ	77.3330, 80.7998, 97.9062
YIQ	232.2860, -6.5570, 3.1950

Conversions

Conversions Part 2

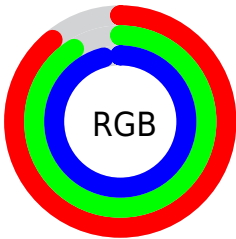
Format	Color
R _Y B	228, 231, 245
Decimal	15001845
CIE Lab	92.04, 1.08, -6.76
CIE LCh	92, 6.845, 279.072
Yxy	80.7998, 0.3020, 0.3156
Android (android.graphics.Color)	4293191925 (0xFFE4E8F5)
YUV	232.2860, 6.2680, -3.7588
Hunter-Lab	89.8887, -3.7382, -1.6562

Details

The XYZ color **77.3330, 80.7998, 97.9062** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1154, 87.9239, 85.9907**, and the grayscale version is **76.8760, 80.8795, 88.0778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9442, 43.6090, 54.3508** is the 20% darker color. If you saturate the color by 10%, you get **65.1106, 67.0866, 95.9047**, and if you desaturate by 10%, it is **91.2234, 96.2115, 100.1501**.

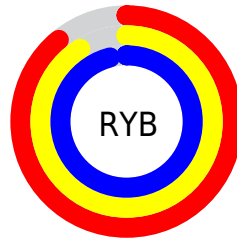
Distribution



Red (89%)

Green (91%)

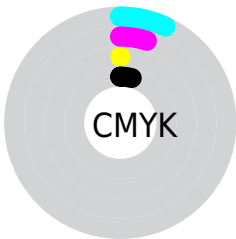
Blue (96%)



Red (89%)

Yellow (91%)

Blue (96%)

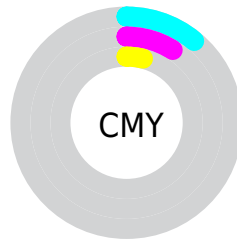


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3330, 80.7998, 97.9062 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 77.3330, 80.7998, 97.9062 by changing the saturation by 10% instead.

■ 77.3330, 80.7998,
97.9062

■ 77.3330, 80.7998,
97.9062

474.7732,
497.6241, 574.6479

■ 57.8271, 60.3767,
73.9460

128.5798,
134.4896, 160.3035

■ 41.9124, 43.7224,
54.2533

161.0514,
168.5252, 199.5777

■ 29.2235, 30.4523,
38.4096

198.5756,
207.8670, 244.7936

■ 19.3951, 20.1821,
25.9965

241.5178,
252.8995, 296.3698

■ 12.0618, 12.5275,
16.5953

290.2432,
304.0071, 354.7247

■ 6.8583, 7.1040,
9.7875

345.1174,

■ 3.4192, 3.5272,

361.5741, 420.2771

5.1545

406.5056,
425.9850, 493.4453

■ 1.3791, 1.4128,
2.2779

■ 0.2413, 0.2261,
0.7188

■ 77.3330, 80.7998,
97.9062

■ 77.3330, 80.7998,
97.9062

■ 65.1106, 67.0866,
95.9047

■ 91.2234, 96.2115,
100.1501

■ 54.4856, 55.0029,
94.1323

■ 93.4817, 99.3727,
100.6412

■ 45.3926, 44.4897,
92.5823

■ 37.7589, 35.4807,
91.2458

■ 31.5056, 27.9047,
90.1130

■ 26.5462, 21.6843,
89.1738

■ 22.7839, 16.7342,
88.4166

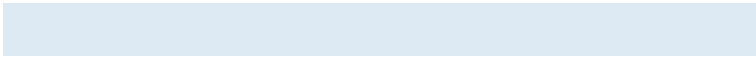
■ 20.1068, 12.9587,
87.8289

■ 18.3770, 10.2440,
87.3961

Harmonies

Analogous

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



75.5945, 80.7998, 97.3505



77.3330, 80.7998, 97.9062



78.9521, 80.7998, 95.7236

Triad

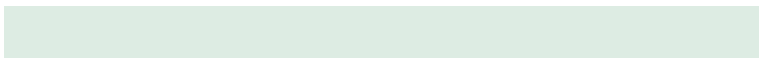
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3330, 80.7998, 97.9062



79.4570, 80.7998, 82.0047



73.6780, 80.7998, 84.5583

Complementary

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



77.3330, 80.7998, 97.9062



83.1154, 87.9239, 85.9907

Split Complementary

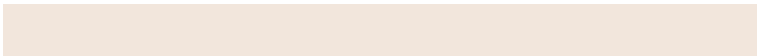
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6830, 80.7998, 80.6605



77.3330, 80.7998, 97.9062



78.0138, 80.7998, 79.2259

Square

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



77.3330, 80.7998, 97.9062



80.1906, 80.7998, 86.4568



76.2650, 80.7998, 78.7433



73.5020, 80.7998, 89.5154

Rectangle

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



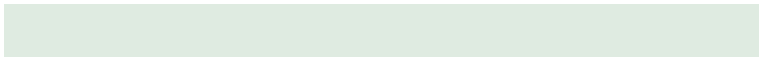
77.3330, 80.7998, 97.9062



79.7395, 80.7998, 93.0566



76.2650, 80.7998, 78.7433



73.9293, 80.7998, 83.0862

Sweetspot

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



77.3354, 80.8032, 97.9080



91.9673, 96.5830, 108.4029



80.4885, 88.1361, 95.7945



19.7171, 20.7086, 23.2079



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.



77.3354, 80.8032, 97.9080



83.1640, 86.7840, 106.9755



77.5862, 79.2786, 97.6005



15.8979, 16.5601, 20.9011



9.7735, 5.3408, 47.0538



0.9349, 0.6212, 4.1609

Inverse Universe

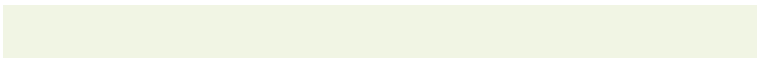
The Inverse Universe completely reimagines the original color for something new.



79.9669, 80.7272, 87.7151



86.4737, 86.7038, 94.1525



82.8477, 89.5644, 86.3214



16.6590, 16.5465, 17.9511



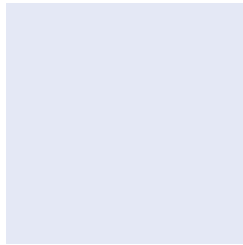
20.7377, 10.6385, 3.3273



1.8609, 0.9503, 0.4941

Previews

White Background



This preview shows how the XYZ color 77.3330, 80.7998, 97.9062 looks on a white background.

Color Contrast Check

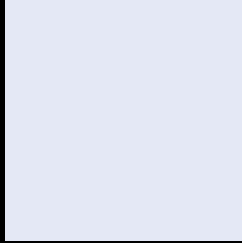
Large Text (above 18pt) WCAG AA × Fail

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 77.3330, 80.7998, 97.9062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

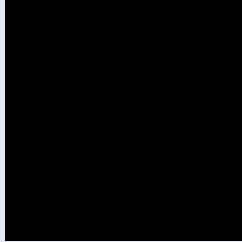
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

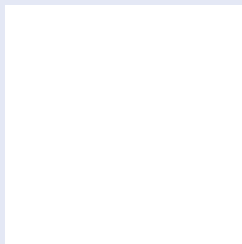
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3330, 80.7998, 97.9062

Background



This preview shows how black text looks on a background with the XYZ color 77.3330, 80.7998, 97.9062.



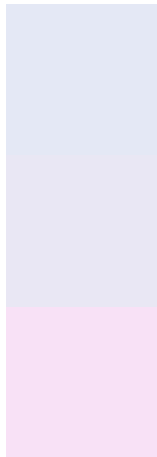
This preview shows how white text looks on a background with the XYZ color 77.3330, 80.7998,

97.9062.

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

77.3330, 80.7998, 97.9062

Protanopia

78.5093, 81.0071, 97.0860

Deuteranopia

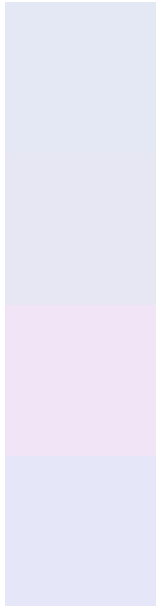
82.2712, 80.4607, 98.3831



Tritanopia

78.1443, 80.7120, 101.9028

Trichromacy



Original Color

77.3330, 80.7998, 97.9062

Protanomaly

77.8600, 80.6724, 97.0556

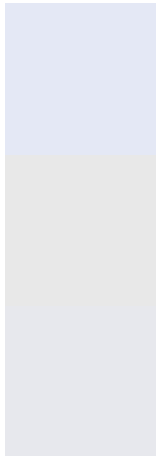
Deuteranomaly

80.6536, 80.8414, 98.5418

Tritanomaly

77.8323, 80.5872, 100.2596

Monochromacy



Original Color

77.3330, 80.7998, 97.9062

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.0977, 80.8166, 91.6564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3330, 80.7998, 97.9062 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(228, 232, 245) looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 245)  
}
```

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(228, 232, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 245) }
```

Border

The CSS property to change the border of an element to XYZ 77.3330, 80.7998, 97.9062 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(228, 232, 245) }
```


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

```
.border{ border-color:rgb(228, 232, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3330, 80.7998, 97.9062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 245) }
```

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

```
.background{ background-color: rgb(228,  
232, 245) }
```

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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