

# Converting Colors

XYZ(77.8588, 81.3497, 97.3227)

Have a look what the booklet for  
XYZ(77.8588, 81.3497, 97.3227)  
contains.

<b>XYZ(77.7811, 81.4675, 97.2132)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.7811, 81.4675,  
97.2132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E9F4
RGB	229, 233, 244
RGB Percent	90%, 91%, 96%
CMY	0.1020, 0.0863, 0.0431
CMYK	0.06, 0.05, 0.00, 0.04
HSL	224°, 41%, 93%
HSV	224°, 6%, 96%
XYZ	77.7811, 81.4675, 97.2132
YIQ	233.0580, -5.9150, 2.5730

# Conversions

## Conversions Part 2

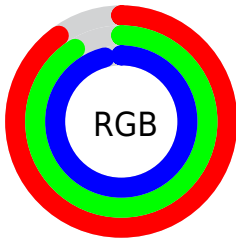
Format	Color
R <sub>Y</sub> B	229, 232, 244
Decimal	15067636
CIE Lab	92.34, 0.70, -5.79
CIE LCh	92, 5.833, 276.891
Yxy	81.4675, 0.3033, 0.3177
Android (android.graphics.Color)	4293257716 (0xFFE5E9F4)
YUV	233.0580, 5.3944, -3.5589
Hunter-Lab	90.2593, -4.1313, -0.6763

# Details

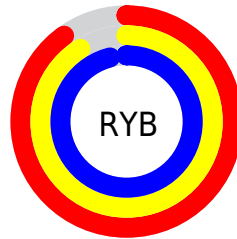
The XYZ color **77.7811, 81.4675, 97.2132** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6113, 87.2095, 86.6090**, and the grayscale version is **77.4616, 81.4957, 88.7488**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2548, 44.0738, 53.8570** is the 20% darker color. If you saturate the color by 10%, you get **65.7270, 68.1154, 95.2726**, and if you desaturate by 10%, it is **91.4475, 96.4172, 99.3797**.

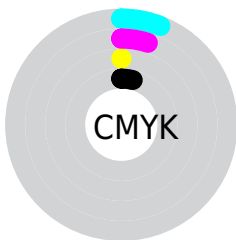
# Distribution



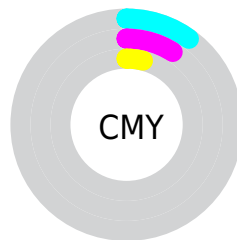
- Red (90%)
- Green (91%)
- Blue (96%)



- Red (90%)
- Yellow (91%)
- Blue (96%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (10%)
- Magenta (9%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7811, 81.4675, 97.2132 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 77.7811, 81.4675, 97.2132 by changing the saturation by 10% instead.



■ 77.7811, 81.4675,  
97.2132

■ 77.7811, 81.4675,  
97.2132

476.2743,  
499.8648, 572.3906

■ 58.1963, 60.9267,  
73.3714

129.2085,  
135.4270, 159.3405

■ 42.2104, 44.1660,  
53.7860

161.7818,  
169.6145, 198.4630

■ 29.4579, 30.8010,  
38.0386

199.4154,  
209.1197, 243.5162

■ 19.5735, 20.4474,  
25.7106

242.4746,  
254.3270, 294.9185

■ 12.1919, 12.7207,  
16.3834

291.3247,  
305.6207, 353.0886

■ 6.9476, 7.2365,  
9.6386

346.3311,

■ 3.4754, 3.6104,

363.3853, 418.4450

5.0575

407.8592,  
428.0052, 491.4061

■ 1.4099, 1.4581,  
2.2217

■ 0.2632, 0.2590,  
0.6869

■ 77.7811, 81.4675,  
97.2132

■ 77.7811, 81.4675,  
97.2132

■ 65.7270, 68.1154,  
95.2726

■ 91.4475, 96.4172,  
99.3797

■ 55.2174, 56.2967,  
93.5452

■ 93.3294, 99.3117,  
99.8393

■ 46.1903, 45.9580,  
92.0254

■ 38.5765, 37.0387,  
90.7051

■ 32.3010, 29.4739,  
89.5757

■ 27.2818, 23.1931,  
88.6280

■ 23.4269, 18.1192,  
87.8518

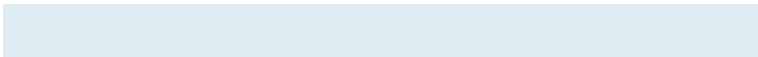
■ 20.6309, 14.1652,  
87.2359

■ 18.7657, 11.2298,  
86.7677

# Harmonies

## Analogous

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



76.2991, 81.4675, 96.5696



77.7811, 81.4675, 97.2132



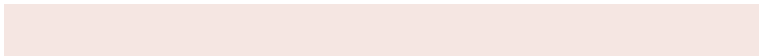
79.1874, 81.4675, 95.5182

# Triad

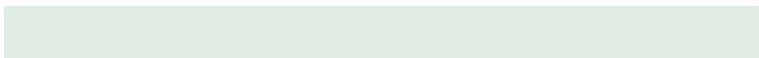
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7811, 81.4675, 97.2132



79.7765, 81.4675, 83.8084



74.7940, 81.4675, 85.4823

# Complementary

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



77.7811, 81.4675, 97.2132



82.6113, 87.2095, 86.6090

# Split Complementary

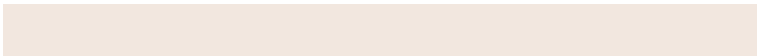
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7035, 81.4675, 82.2223



77.7811, 81.4675, 97.2132



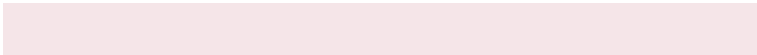
78.5769, 81.4675, 81.2780

# Square

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



77.7811, 81.4675, 97.2132



80.3491, 81.4675, 87.7109



77.0848, 81.4675, 80.7069



74.5872, 81.4675, 89.7051

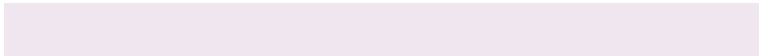


# Rectangle

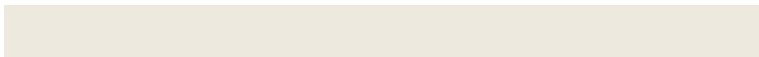
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7811, 81.4675, 97.2132



79.8886, 81.4675, 93.3216



77.0848, 81.4675, 80.7069



75.0271, 81.4675, 84.2418

# Sweetspot

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



77.7835, 81.4710, 97.2150



92.0174, 96.6833, 108.4196



80.3561, 87.6371, 94.9251



19.7273, 20.7290, 23.2113



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.



77.7835, 81.4710, 97.2150



84.7519, 88.7038, 107.2624



77.7096, 79.7693, 96.8904



16.4535, 17.2119, 20.9976



10.0062, 5.8061, 47.1313



0.9606, 0.6726, 4.1694



# Inverse Universe

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



80.0373, 81.1564, 88.5412



87.5818, 88.3209, 96.3687



82.6851, 89.0166, 86.9539



17.0516, 17.1327, 18.6949



20.8552, 10.6855, 3.9457

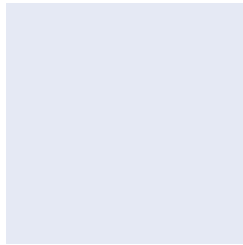


1.8739, 0.9555, 0.5625



# Previews

## White Background



This preview shows how the XYZ color 77.7811, 81.4675, 97.2132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

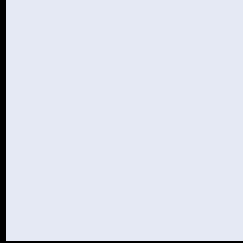
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7811, 81.4675, 97.2132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

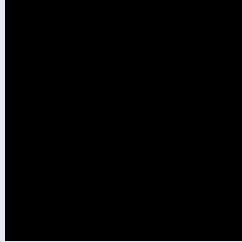
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

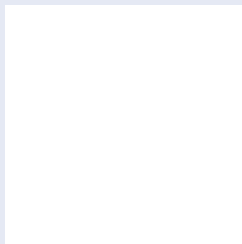
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.7811, 81.4675, 97.2132

## Background



This preview shows how black text looks on a background with the XYZ color 77.7811, 81.4675, 97.2132.



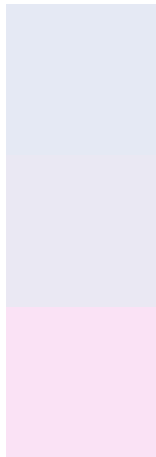
This preview shows how white text looks on a background with the XYZ color 77.7811, 81.4675,

97.2132.

# 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

77.7811, 81.4675, 97.2132

### Protanopia

78.9660, 81.6767, 96.3972

### Deuteranopia

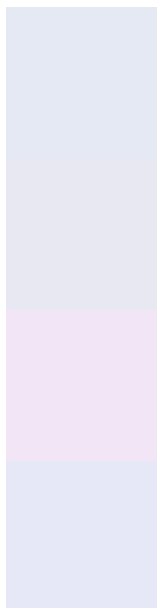
83.1021, 81.3093, 97.7005



## **Tritanopia**

78.7451, 81.4383, 102.0113

# Trichromacy



## Original Color

77.7811, 81.4675, 97.2132

## Protanomaly

78.3130, 81.3401, 96.3667

## Deuteranomaly

81.1187, 81.5084, 97.8435

## Tritanomaly

78.4330, 81.3135, 100.3682

# Monochromacy



## Original Color

77.7811, 81.4675, 97.2132

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.7037, 81.5481, 91.7657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7811, 81.4675, 97.2132 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(229, 233, 244) looks like.

```
.text, #text, p{  
    color:rgb(229, 233, 244)  
}
```

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(229, 233, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 233, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7811, 81.4675, 97.2132 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(229, 233, 244) }
```



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

```
.border{ border-color:rgb(229, 233, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 233, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 233, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 233, 244);  
box-shadow:4px 4px 4px 4px rgb(229, 233,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7811, 81.4675, 97.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 233, 244) }
```

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

```
.background{ background-color: rgb(229,  
233, 244) }
```

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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