

# Converting Colors

XYZ(77.7954, 80.8906, 93.7902)

Have a look what the booklet for  
XYZ(77.7954, 80.8906, 93.7902)  
contains.

<b>XYZ(77.5828, 80.5989, 93.9062)</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(77.5828, 80.5989,  
93.9062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E7F0
RGB	232, 231, 240
RGB Percent	91%, 91%, 94%
CMY	0.0902, 0.0941, 0.0588
CMYK	0.03, 0.04, 0.00, 0.06
HSL	247°, 23%, 92%
HSV	247°, 4%, 94%
XYZ	77.5828, 80.5989, 93.9062
YIQ	232.3250, -2.2930, 3.0110

# Conversions

## Conversions Part 2

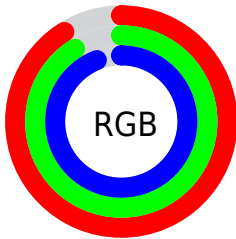
Format	Color
R <sub>Y</sub> B	232, 231, 240
Decimal	15263728
CIE Lab	91.95, 1.97, -4.25
CIE LCh	92, 4.682, 294.851
Yxy	80.5989, 0.3078, 0.3197
Android (android.graphics.Color)	4293453808 (0xFFE8E7F0)
YUV	232.3250, 3.7838, -0.2850
Hunter-Lab	89.7769, -2.8546, 0.8268

# Details

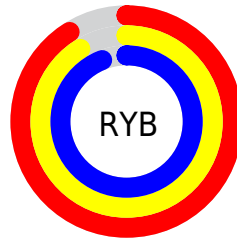
The XYZ color **77.5828, 80.5989, 93.9062** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1836, 86.4426, 88.0116**, and the grayscale version is **76.9209, 80.9268, 88.1293**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8862, 43.3507, 51.5073** is the 20% darker color. If you saturate the color by 10%, you get **64.8090, 64.7182, 91.5154**, and if you desaturate by 10%, it is **92.1218, 98.7587, 96.6463**.

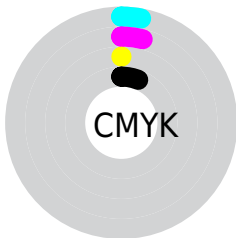
# Distribution



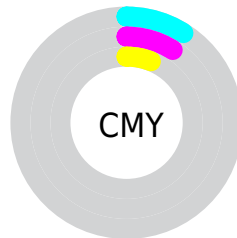
- Red (91%)
- Green (91%)
- Blue (94%)



- Red (91%)
- Yellow (91%)
- Blue (94%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (9%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5828, 80.5989, 93.9062 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 77.5828, 80.5989, 93.9062 by changing the saturation by 10% instead.



■ 77.5828, 80.5989,  
93.9062

■ 77.5828, 80.5989,  
93.9062

475.6103,  
496.9489, 561.5520

■ 58.0329, 60.2113,  
70.6331

128.9303,  
134.2074, 154.7352

■ 42.0785, 43.5890,  
51.5628

161.4587,  
168.1972, 193.1281

■ 29.3541, 30.3475,  
36.2769

199.0439,  
207.4897, 237.3980

■ 19.4945, 20.1025,  
24.3567

242.0513,  
252.4695, 287.9635

■ 12.1343, 12.4696,  
15.3838

290.8463,  
303.5209, 345.2431

■ 6.9080, 7.0643,  
8.9396

345.7942,

■ 3.4505, 3.5024,

361.0284, 409.6554

4.6055

407.2605,  
425.3762, 481.6188

■ 1.3962, 1.3993,  
1.9631

■ 0.2535, 0.2162,  
0.5324

■ 77.5828, 80.5989,  
93.9062

■ 77.5828, 80.5989,  
93.9062

■ 64.8090, 64.7182,  
91.5154

■ 92.1218, 98.7587,  
96.6463

■ 53.7279, 51.0199,  
89.4554

■ 92.7284, 99.0714,  
96.6747

■ 44.2704, 39.4114,  
87.7132

■ 36.3598, 29.7897,  
86.2730

■ 29.9132, 22.0431,  
85.1175

■ 24.8398, 16.0484,  
84.2278

■ 21.0387, 11.6679,  
83.5826

■ 18.3947, 8.7431,  
83.1574

■ 16.7713, 7.0826,  
82.9225

# Harmonies

## Analogous

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



76.3995, 80.5989, 94.5212



77.5828, 80.5989, 93.9062



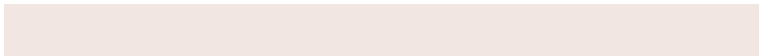
78.5132, 80.5989, 91.6267

# Triad

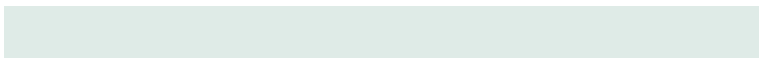
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5828, 80.5989, 93.9062



77.9459, 80.5989, 82.4540



74.3267, 80.5989, 87.1655

# Complementary

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



77.5828, 80.5989, 93.9062



81.1836, 86.4426, 88.0116

# Split Complementary

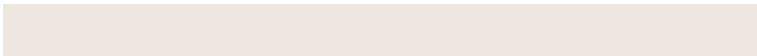
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.7315, 80.5989, 84.0007



77.5828, 80.5989, 93.9062



76.8145, 80.5989, 81.3264

# Square

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



77.5828, 80.5989, 93.9062



78.7244, 80.5989, 85.0045



75.6391, 80.5989, 81.8851



74.5276, 80.5989, 90.5713



# Rectangle

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



77.5828, 80.5989, 93.9062



78.8607, 80.5989, 89.5006



75.6391, 80.5989, 81.8851



74.3963, 80.5989, 86.0392

# Sweetspot

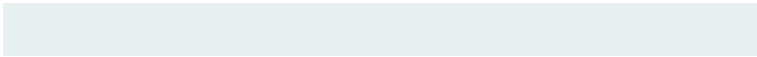
The Sweet Spot groups the original color and five complimentary colors.



77.5851, 80.6023, 93.9080



93.4125, 97.9562, 108.5918



79.5815, 85.0739, 94.6658



20.0114, 20.9882, 23.2464



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.



77.5851, 80.6023, 93.9080



88.6233, 91.9840, 107.6915



79.0319, 81.3482, 93.9757



16.3897, 16.9674, 20.1328



8.9051, 3.5962, 45.3526



0.7940, 0.3266, 3.7754



# Inverse Universe

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



80.0940, 81.9127, 93.2549



91.7006, 93.5913, 106.8890



79.7155, 85.6858, 87.9429



17.0672, 17.3212, 19.9553



26.3064, 12.7950, 35.8596

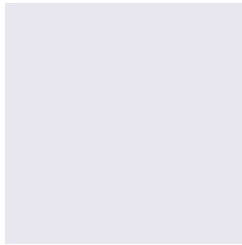


2.2098, 1.0730, 3.0955



# Previews

## White Background



This preview shows how the XYZ color 77.5828, 80.5989, 93.9062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

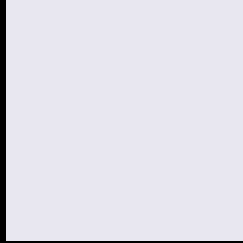
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5828, 80.5989, 93.9062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

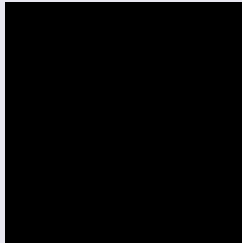
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

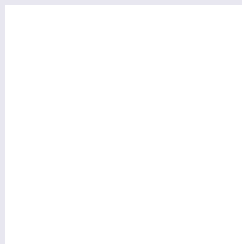
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.5828, 80.5989, 93.9062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.5828, 80.5989, 93.9062.



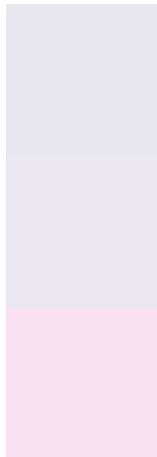
This preview shows how white text looks on a background with the XYZ color 77.5828, 80.5989,

93.9062.

# 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

77.5828, 80.5989, 93.9062

### Protanopia

78.2358, 80.9355, 93.9367

### Deuteranopia

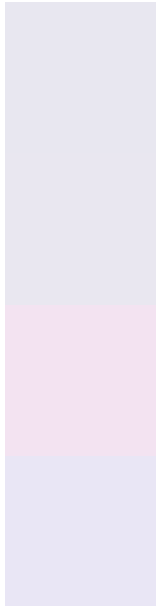
82.2267, 80.5253, 94.4282



## Tritanopia

78.8444, 80.6946, 100.2270

# Trichromacy



## Original Color

77.5828, 80.5989, 93.9062

## Protanomaly

77.9084, 80.7667, 93.9214

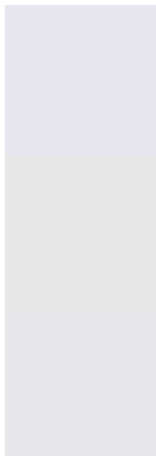
## Deuteranomaly

80.3084, 80.3437, 94.4943

## Tritanomaly

78.3825, 80.5098, 97.7950

# Monochromacy



## Original Color

77.5828, 80.5989, 93.9062

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.1307, 80.8672, 90.1410

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5828, 80.5989, 93.9062 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(232, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(232, 231, 240)  
}
```

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(232, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 231, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5828, 80.5989, 93.9062 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(232, 231, 240) }
```



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

```
.border{ border-color:rgb(232, 231, 240) }
```

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

Here you see how a box with a 4 pixel rgb(232, 231, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(232, 231,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5828, 80.5989, 93.9062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 231, 240) }
```

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

```
.background{ background-color: rgb(232,  
231, 240) }
```

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