

Converting Colors

XYZ(77.8379, 81.6306, 93.0839)

Have a look what the booklet for
XYZ(77.8379, 81.6306, 93.0839)
contains.

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Color

**XYZ(77.9976, 81.6656,
93.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E9EF
RGB	232, 233, 239
RGB Percent	91%, 91%, 94%
CMY	0.0902, 0.0863, 0.0627
CMYK	0.03, 0.03, 0.00, 0.06
HSL	231°, 18%, 92%
HSV	231°, 3%, 94%
XYZ	77.9976, 81.6656, 93.3135
YIQ	233.3850, -2.5220, 1.6540

Conversions

Conversions Part 2

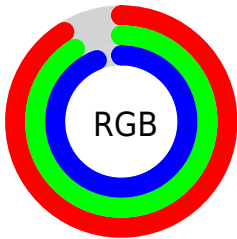
Format	Color
R _Y B	232, 233, 239
Decimal	15264239
CIE Lab	92.43, 0.76, -3.03
CIE LCh	92, 3.122, 283.997
Yxy	81.6656, 0.3083, 0.3228
Android (android.graphics.Color)	4293454319 (0xFFE8E9EF)
YUV	233.3850, 2.7682, -1.2146
Hunter-Lab	90.3690, -4.0822, 2.0365

Details

The XYZ color **77.9976, 81.6656, 93.3135** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7368, 85.3251, 88.5593**, and the grayscale version is **77.7253, 81.7730, 89.0508**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1739, 44.0933, 51.0878** is the 20% darker color. If you saturate the color by 10%, you get **65.2980, 67.0103, 91.1553**, and if you desaturate by 10%, it is **92.0967, 98.0451, 95.7332**.

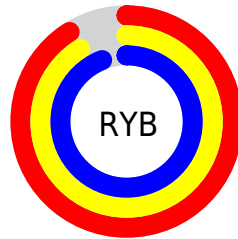
Distribution



Red (91%)

Green (91%)

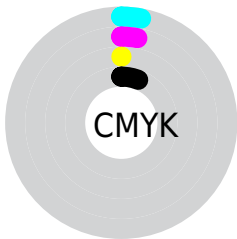
Blue (94%)



Red (91%)

Yellow (91%)

Blue (94%)

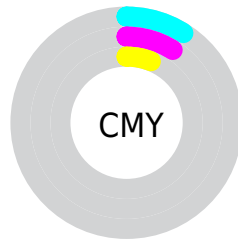


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (6%)



Cyan (9%)

Magenta (9%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9976, 81.6656, 93.3135 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 77.9976, 81.6656, 93.3135 by changing the saturation by 10% instead.

■ 77.9976, 81.6656,
93.3135

■ 77.9976, 81.6656,
93.3135

476.9986,
500.5285, 559.5974

■ 58.3748, 61.0899,
70.1430

129.5121,
135.7050, 153.9080

■ 42.3545, 44.2978,
51.1656

162.1345,
169.9374, 192.1691

■ 29.5713, 30.9047,
35.9628

199.8209,
209.4910, 236.2975

■ 19.6598, 20.5263,
24.1160

242.9365,
254.7500, 286.7117

■ 12.2548, 12.7782,
15.2067

291.8467,
306.0988, 343.8302

■ 6.9909, 7.2760,
8.8163

346.9169,

■ 3.5027, 3.6353,

363.9219, 408.0717

4.5264

408.5124,
428.6037, 479.8546

■ 1.4248, 1.4717,
1.9183

■ 0.2738, 0.2687,
0.5044

■ 77.9976, 81.6656,
93.3135

■ 77.9976, 81.6656,
93.3135

■ 65.2980, 67.0103,
91.1553

■ 92.0967, 98.0451,
95.7332

■ 54.2584, 54.1727,
89.2593

■ 92.5802, 99.0121,
95.8944

■ 44.8117, 43.0846,
87.6170

■ 36.8837, 33.6697,
86.2175

■ 30.3943, 25.8460,
85.0494

■ 25.2559, 19.5243,
84.1001

■ 21.3709, 14.6066,
83.3556

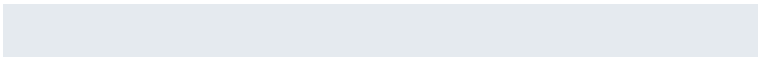
■ 18.6285, 10.9830,
82.8007

■ 16.8974, 8.5260,
82.4177

Harmonies

Analogous

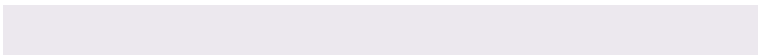
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1926, 81.6656, 93.2718



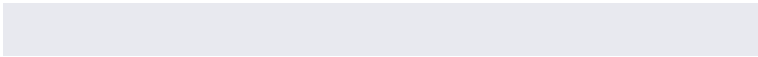
77.9976, 81.6656, 93.3135



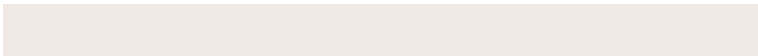
78.7064, 81.6656, 92.1637

Triad

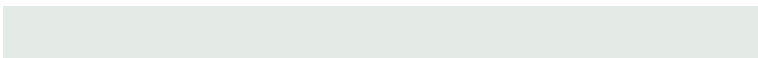
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9976, 81.6656, 93.3135



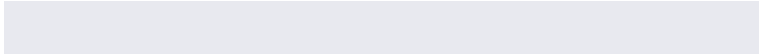
78.7452, 81.6656, 85.8609



76.1349, 81.6656, 87.6973

Complementary

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



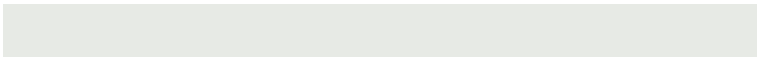
77.9976, 81.6656, 93.3135



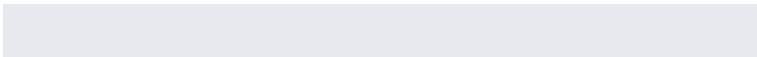
80.7368, 85.3251, 88.5593

Split Complementary

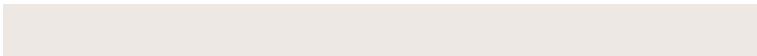
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5451, 81.6656, 85.7532



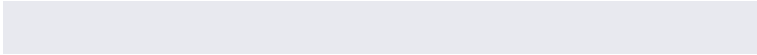
77.9976, 81.6656, 93.3135



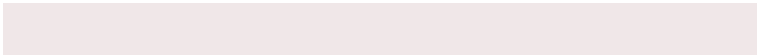
78.0504, 81.6656, 84.7056

Square

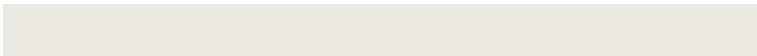
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



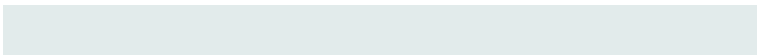
77.9976, 81.6656, 93.3135



79.1400, 81.6656, 87.8466



77.2450, 81.6656, 84.6665



76.1210, 81.6656, 90.0020

Rectangle

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



77.9976, 81.6656, 93.3135



79.0273, 81.6656, 90.8876



77.2450, 81.6656, 84.6665



76.2309, 81.6656, 86.9809

Sweetspot

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



77.9999, 81.6691, 93.3153



93.4252, 98.1338, 108.6254



79.5717, 85.0602, 93.0761



20.0140, 21.0243, 23.2532



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.



77.9999, 81.6691, 93.3153



88.6722, 92.6679, 107.8209



78.5175, 81.5152, 93.2583



16.4005, 17.1173, 20.1612



8.9865, 4.1973, 45.4644



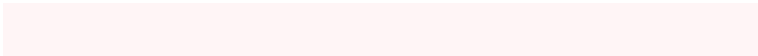
0.8036, 0.4611, 3.8009

Inverse Universe

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



79.1630, 81.9487, 88.7402



90.5068, 93.1138, 100.6028



80.2082, 85.4877, 88.6185



16.8044, 17.2162, 18.5717



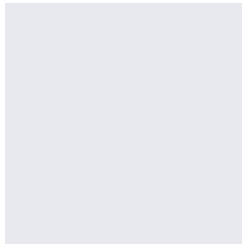
19.8616, 10.2171, 1.9218



1.6806, 0.8613, 0.3087

Previews

White Background



This preview shows how the XYZ color 77.9976, 81.6656, 93.3135 looks on a white background.

Color Contrast Check

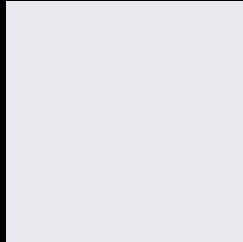
Large Text (above 18pt) WCAG AA × Fail

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 77.9976, 81.6656, 93.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

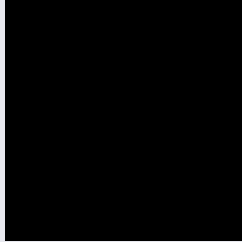
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

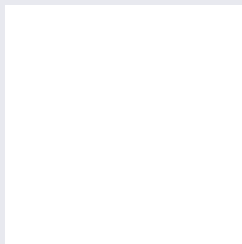
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9976, 81.6656, 93.3135

Background



This preview shows how black text looks on a background with the XYZ color 77.9976, 81.6656, 93.3135.



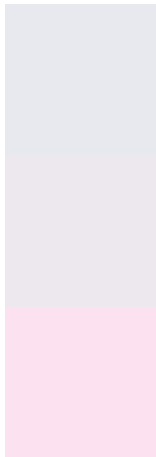
This preview shows how white text looks on a background with the XYZ color 77.9976, 81.6656,

93.3135.

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

77.9976, 81.6656, 93.3135

Protanopia

78.8813, 81.7191, 92.5048

Deuteranopia

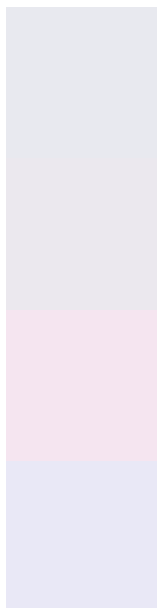
83.0694, 81.3794, 93.7676



Tritanopia

79.7629, 81.5464, 101.9785

Trichromacy



Original Color

77.9976, 81.6656, 93.3135

Protanomaly

78.5502, 81.5484, 92.4893

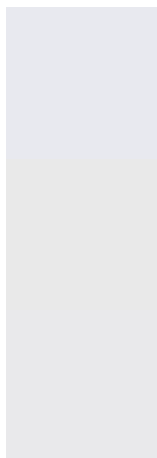
Deuteranomaly

81.4037, 81.7424, 93.9255

Tritanomaly

79.0954, 81.6907, 98.7879

Monochromacy



Original Color

77.9976, 81.6656, 93.3135

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.7386, 81.5996, 90.2503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9976, 81.6656, 93.3135 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, 233, 239) looks like.

```
.text, #text, p{  
    color:rgb(232, 233, 239)  
}
```

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, 233, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 239) }
```

Border

The CSS property to change the border of an element to XYZ 77.9976, 81.6656, 93.3135 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, 233, 239) }
```


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

```
.border{ border-color:rgb(232, 233, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 233, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 239);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9976, 81.6656, 93.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 233, 239) }
```

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

```
.background{ background-color: rgb(232,  
233, 239) }
```

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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