

Converting Colors

XYZ(78.6311, 82.1015, 96.7580)

Have a look what the booklet for
XYZ(78.6311, 82.1015, 96.7580)
contains.

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Color

**XYZ(78.5953, 81.9047,
96.4608)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E9F3
RGB	232, 233, 243
RGB Percent	91%, 91%, 95%
CMY	0.0902, 0.0863, 0.0471
CMYK	0.05, 0.04, 0.00, 0.05
HSL	235°, 31%, 93%
HSV	235°, 5%, 95%
XYZ	78.5953, 81.9047, 96.4608
YIQ	233.8410, -3.8060, 2.8980

Conversions

Conversions Part 2

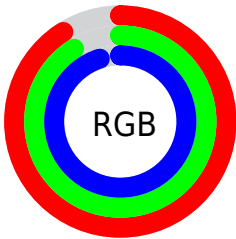
Format	Color
R _Y B	232, 233, 243
Decimal	15264243
CIE Lab	92.53, 1.49, -4.96
CIE LCh	93, 5.179, 286.745
Yxy	81.9047, 0.3059, 0.3187
Android (android.graphics.Color)	4293454323 (0xFFE8E9F3)
YUV	233.8410, 4.5154, -1.6146
Hunter-Lab	90.5012, -3.3597, 0.1566

Details

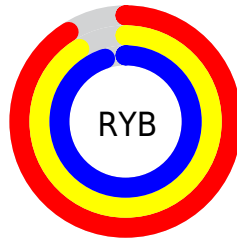
The XYZ color **78.5953, 81.9047, 96.4608** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2800, 88.3843, 89.0159**, and the grayscale version is **78.0575, 82.1226, 89.4315**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5963, 44.2622, 53.3121** is the 20% darker color. If you saturate the color by 10%, you get **65.3815, 66.3879, 94.1634**, and if you desaturate by 10%, it is **93.1779, 99.2512, 99.0417**.

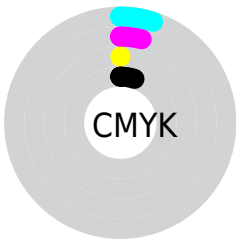
Distribution



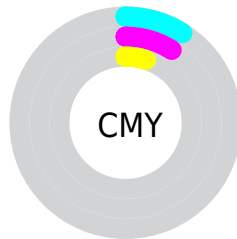
- Red (91%)
- Green (91%)
- Blue (95%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5953, 81.9047, 96.4608 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 78.5953, 81.9047, 96.4608 by changing the saturation by 10% instead.

■ 78.5953, 81.9047,
96.4608

■ 78.5953, 81.9047,
96.4608

478.9951,
501.3289, 569.9344

■ 58.8676, 61.2870,
72.7478

130.3499,
136.0404, 158.2941

■ 42.7525, 44.4568,
53.2792

163.1075,
170.3271, 197.2515

■ 29.8847, 31.0298,
37.6365

200.9392,
209.9389, 242.1275

■ 19.8987, 20.6215,
25.4010

244.2102,
255.2603, 293.3405

■ 12.4293, 12.8476,
16.1543

293.2859,
306.6756, 351.3092

■ 7.1110, 7.3237,
9.4779

348.5318,

■ 3.5786, 3.6654,

364.5692, 416.4521

4.9531

410.3131,
429.3255, 489.1876

■ 1.4666, 1.4882,
2.1615

■ 0.3029, 0.2804,
0.6520

■ 78.5953, 81.9047,
96.4608

■ 78.5953, 81.9047,
96.4608

■ 65.3815, 66.3879,
94.1634

■ 93.1779, 99.2512,
99.0417

■ 53.9651, 52.9139,
92.1644

■ 44.2702, 41.4007,
90.4531

■ 36.2132, 31.7567,
89.0163

■ 29.7031, 23.8829,
87.8396

■ 24.6402, 17.6711,
86.9075

■ 20.9129, 13.0014,
86.2026

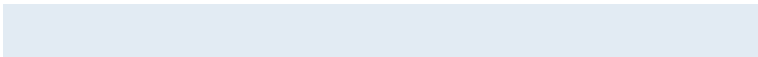
■ 18.3934, 9.7372,
85.7053

■ 16.9278, 7.7179,
85.3928

Harmonies

Analogous

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



77.2566, 81.9047, 96.5839



78.5953, 81.9047, 96.4608



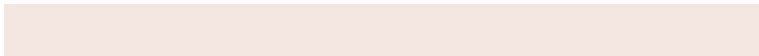
79.7463, 81.9047, 94.3513

Triad

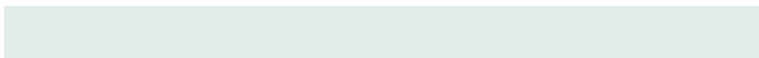
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5953, 81.9047, 96.4608



79.6332, 81.9047, 83.8951



75.3583, 81.9047, 87.4933

Complementary

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



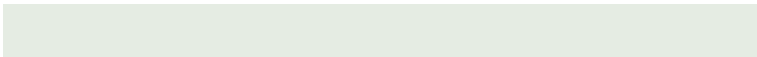
78.5953, 81.9047, 96.4608



83.2800, 88.3843, 89.0159

Split Complementary

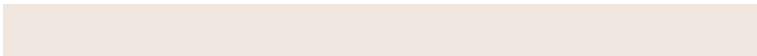
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9800, 81.9047, 84.2018



78.5953, 81.9047, 96.4608



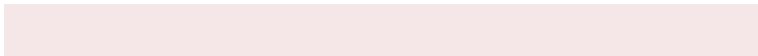
78.4423, 81.9047, 82.1651

Square

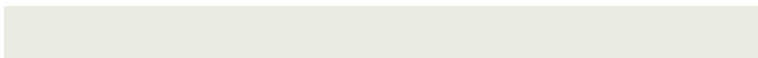
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



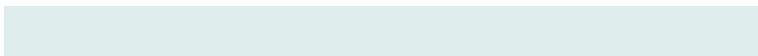
78.5953, 81.9047, 96.4608



80.3502, 81.9047, 87.0638



77.1054, 81.9047, 82.2757



75.3982, 81.9047, 91.3309

Rectangle

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



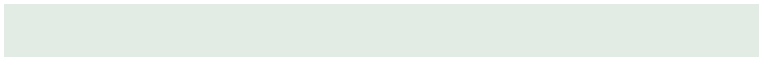
78.5953, 81.9047, 96.4608



80.2477, 81.9047, 92.1359



77.1054, 81.9047, 82.2757



75.4965, 81.9047, 86.2885

Sweetspot

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



78.5977, 81.9082, 96.4626



93.3832, 98.0499, 108.6114



81.3426, 87.6631, 96.5604



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.



78.5977, 81.9082, 96.4626



86.9282, 90.4904, 107.4925



79.7606, 82.0871, 96.4358



16.8292, 17.4914, 21.0318



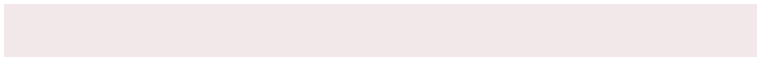
9.0791, 3.9520, 46.8223



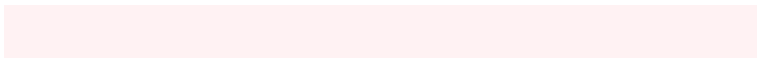
0.8385, 0.4283, 4.1287

Inverse Universe

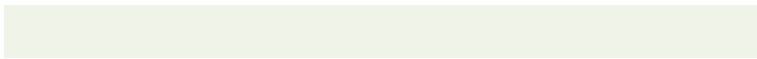
The Inverse Universe completely reimagines the original color for something new.



80.5286, 82.6527, 88.8041



89.3068, 91.4093, 98.0584



82.0791, 88.2099, 89.0455



17.3564, 17.6957, 18.9404



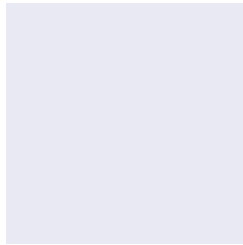
20.3872, 10.4983, 1.4815



1.8123, 0.9309, 0.2378

Previews

White Background



This preview shows how the XYZ color 78.5953, 81.9047, 96.4608 looks on a white background.

Color Contrast Check

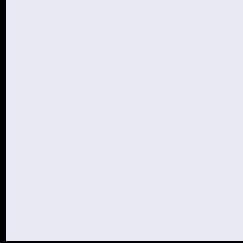
Large Text (above 18pt) WCAG AA × Fail

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 78.5953, 81.9047, 96.4608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

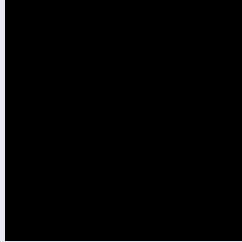
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

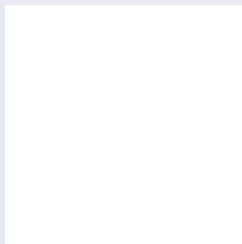
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5953, 81.9047, 96.4608

Background



This preview shows how black text looks on a background with the XYZ color 78.5953, 81.9047, 96.4608.



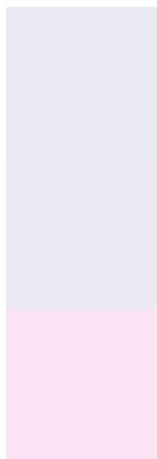
This preview shows how white text looks on a background with the XYZ color 78.5953, 81.9047,

96.4608.

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

78.5953, 81.9047, 96.4608

Protanopia

79.1446, 81.7862, 95.6193

Deuteranopia

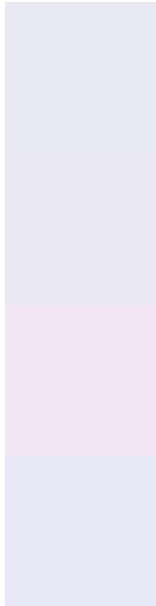
83.3092, 81.4336, 96.9153



Tritanopia

79.7162, 81.9390, 102.0568

Trichromacy



Original Color

78.5953, 81.9047, 96.4608

Protanomaly

78.8153, 81.6165, 95.6039

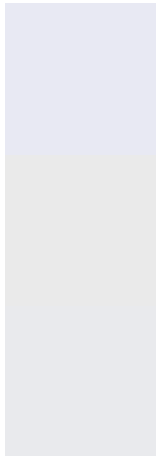
Deuteranomaly

81.6567, 81.8034, 97.0738

Tritanomaly

79.2494, 81.7523, 99.5986

Monochromacy



Original Color

78.5953, 81.9047, 96.4608

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.3132, 82.2837, 91.8756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5953, 81.9047, 96.4608 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, 243) looks like.

```
.text, #text, p{  
    color:rgb(232, 233, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 243) }
```

Border

The CSS property to change the border of an element to XYZ 78.5953, 81.9047, 96.4608 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, 243) }
```


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

```
.border{ border-color:rgb(232, 233, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 243);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5953, 81.9047, 96.4608 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, 243) }
```

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

```
.background{ background-color: rgb(232,  
233, 243) }
```

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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