

Converting Colors

XYZ(78.3568, 83.1052, 94.3491)

Have a look what the booklet for
XYZ(78.3568, 83.1052, 94.3491)
contains.

XYZ(78.3568, 83.1052, 94.3491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.3568, 83.1052,
94.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	E6ECF0
RGB	230, 236, 240
RGB Percent	90%, 93%, 94%
CMY	0.0980, 0.0745, 0.0588
CMYK	0.04, 0.02, 0.00, 0.06
HSL	204°, 25%, 92%
HSV	204°, 4%, 94%
XYZ	78.3568, 83.1052, 94.3491
YIQ	234.6620, -4.8600, -0.0280

Conversions

Conversions Part 2

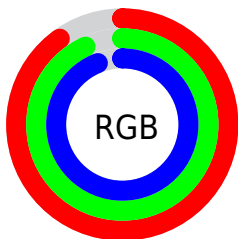
Format	Color
R _Y B	230, 234, 240
Decimal	15133936
CIE Lab	93.06, -1.26, -2.64
CIE LCh	93, 2.922, 244.511
Yxy	83.1052, 0.3063, 0.3249
Android (android.graphics.Color)	4293324016 (0xFFE6ECF0)
YUV	234.6620, 2.6316, -4.0886
Hunter-Lab	91.1621, -6.1069, 2.4506

Details

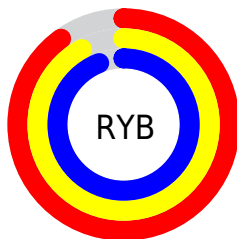
The XYZ color **78.3568, 83.1052, 94.3491** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.6412, 83.0833, 86.7035**, and the grayscale version is **78.6940, 82.7922, 90.1607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6522, 45.2172, 51.8272** is the 20% darker color. If you saturate the color by 10%, you get **68.4917, 74.0318, 93.1190**, and if you desaturate by 10%, it is **89.4354, 93.0289, 95.6819**.

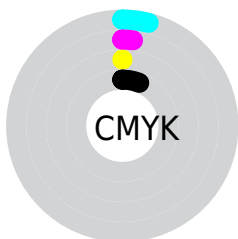
Distribution



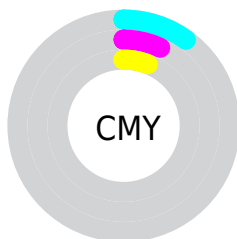
- Red (90%)
- Green (93%)
- Blue (94%)



- Red (90%)
- Yellow (92%)
- Blue (94%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (10%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3568, 83.1052, 94.3491 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 78.3568, 83.1052, 94.3491 by changing the saturation by 10% instead.

■ 78.3568, 83.1052,
94.3491

■ 78.3568, 83.1052,
94.3491

478.1990,
505.3371, 563.0101

■ 58.6709, 62.2769,
70.9995

130.0157,
137.7228, 155.3529

■ 42.5936, 45.2565,
51.8599

162.7194,
172.2809, 193.8441

■ 29.7595, 31.6595,
36.5120

200.4931,
212.1844, 238.2196

■ 19.8033, 21.1016,
24.5370

243.7022,
257.8178, 288.8979

■ 12.3596, 13.1983,
15.5166

292.7119,
309.5653, 346.2976

■ 7.0630, 7.5652,
9.0321

347.8878,

■ 3.5482, 3.8180,

367.8114, 410.8371

4.6650

409.5950,
432.9406, 482.9351

■ 1.4499, 1.5723,
1.9968

■ 0.2913, 0.3388,
0.5533

■ 78.3568, 83.1052,
94.3491

■ 78.3568, 83.1052,
94.3491

■ 68.4917, 74.0318,
93.1190

■ 89.4354, 93.0289,
95.6819

■ 59.7876, 65.7714,
91.9833

■ 92.7284, 99.0714,
96.6747

■ 52.1984, 58.2990,
90.9410

■ 45.6724, 51.5843,
89.9889

■ 40.1530, 45.5945,
89.1236

■ 35.5782, 40.2938,
88.3416

■ 31.8786, 35.6426,
87.6388

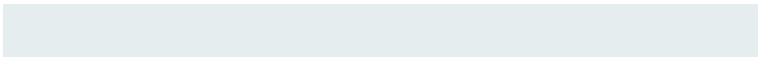
■ 28.9737, 31.5953,
87.0107

■ 26.7659, 28.0975,
86.4520

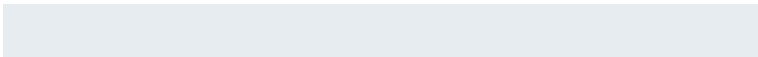
Harmonies

Analogous

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



77.7814, 83.1052, 92.8987



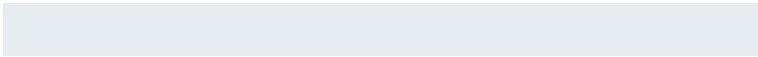
78.3568, 83.1052, 94.3491



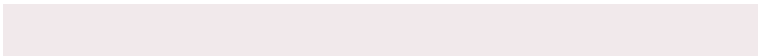
79.1049, 83.1052, 94.7585

Triad

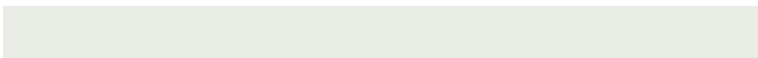
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3568, 83.1052, 94.3491



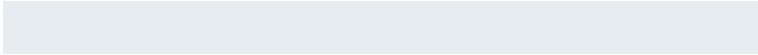
80.4666, 83.1052, 90.1560



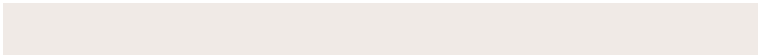
78.1574, 83.1052, 87.0556

Complementary

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



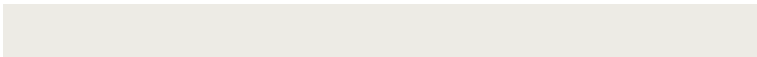
78.3568, 83.1052, 94.3491



79.6412, 83.0833, 86.7035

Split Complementary

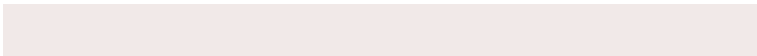
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8732, 83.1052, 86.3467



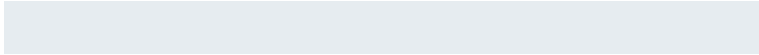
78.3568, 83.1052, 94.3491



80.2090, 83.1052, 88.1183

Square

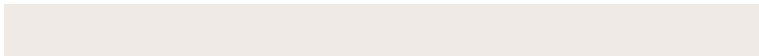
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



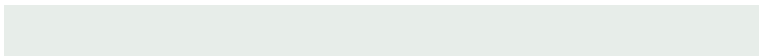
78.3568, 83.1052, 94.3491



80.3261, 83.1052, 92.3150



79.6246, 83.1052, 86.7326



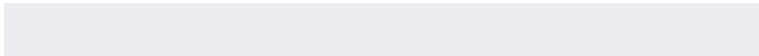
77.6668, 83.1052, 88.6841

Rectangle

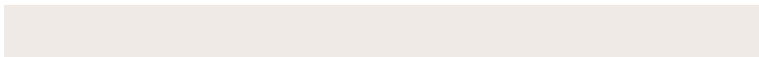
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3568, 83.1052, 94.3491



79.6017, 83.1052, 94.3804



79.6246, 83.1052, 86.7326



78.3795, 83.1052, 86.7030

Sweetspot

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



78.3592, 83.1087, 94.3509



93.7938, 98.8711, 108.7483



78.6219, 85.0755, 89.9951



20.0890, 21.1744, 23.2782



0.0000, 0.0000, 0.0000



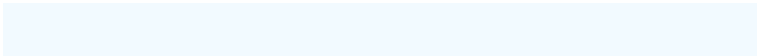
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3592, 83.1087, 94.3509



88.9099, 94.4536, 108.1531



76.9853, 80.3609, 93.8929



16.5059, 17.5576, 20.2406



14.2106, 14.6454, 47.2057



1.2792, 1.4124, 3.9594

Inverse Universe

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



79.3742, 81.1767, 90.8463



90.3070, 91.8093, 103.3255



81.0371, 85.8752, 87.1688



16.8016, 17.0005, 19.2182



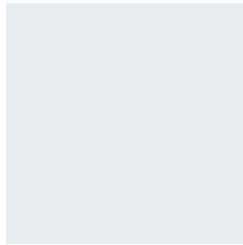
22.4985, 11.2718, 15.8073



1.9206, 0.9573, 1.5729

Previews

White Background



This preview shows how the XYZ color 78.3568, 83.1052, 94.3491 looks on a white background.

Color Contrast Check

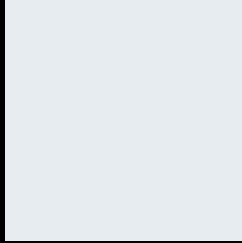
Large Text (above 18pt) WCAG AA × Fail

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 78.3568, 83.1052, 94.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

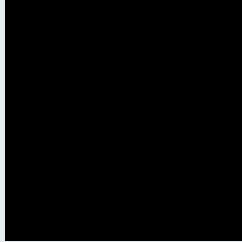
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

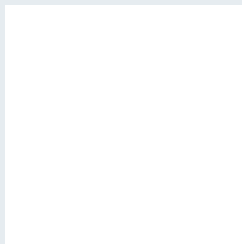
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3568, 83.1052, 94.3491

Background



This preview shows how black text looks on a background with the XYZ color 78.3568, 83.1052, 94.3491.



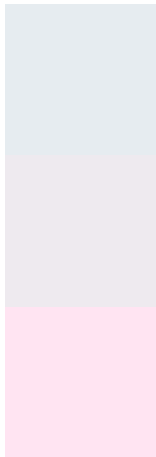
This preview shows how white text looks on a background with the XYZ color 78.3568, 83.1052,

94.3491.

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

78.3568, 83.1052, 94.3491

Protanopia

80.2627, 83.2548, 93.5008

Deuteranopia

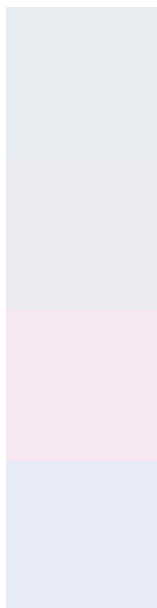
85.0104, 83.1576, 95.5749



Tritanopia

80.4312, 83.0933, 104.7279

Trichromacy



Original Color

78.3568, 83.1052, 94.3491

Protanomaly

79.5493, 83.3108, 93.5493

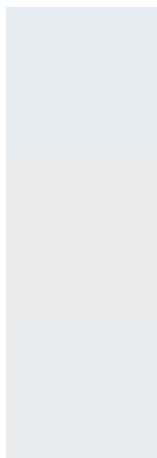
Deuteranomaly

82.4591, 83.0955, 94.9121

Tritanomaly

79.6066, 83.1829, 100.6671

Monochromacy



Original Color

78.3568, 83.1052, 94.3491

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5987, 82.8547, 91.9707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3568, 83.1052, 94.3491 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(230, 236, 240) looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 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(230, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 240) }
```

Border

The CSS property to change the border of an element to XYZ 78.3568, 83.1052, 94.3491 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(230, 236, 240) }
```


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

```
.border{ border-color:rgb(230, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3568, 83.1052, 94.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 240) }
```

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

```
.background{ background-color: rgb(230,  
236, 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