

Converting Colors

XYZ(78.3444, 83.0295, 98.1233)

Have a look what the booklet for
XYZ(78.3444, 83.0295, 98.1233)
contains.

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Color

**XYZ(78.4718, 83.0775,
98.2858)**

Conversions

Conversions Part 1

Format	Color
Hex	E4ECF5
RGB	228, 236, 245
RGB Percent	89%, 93%, 96%
CMY	0.1059, 0.0745, 0.0392
CMYK	0.07, 0.04, 0.00, 0.04
HSL	212°, 46%, 93%
HSV	212°, 7%, 96%
XYZ	78.4718, 83.0775, 98.2858
YIQ	234.6340, -7.6570, 1.1030

Conversions

Conversions Part 2

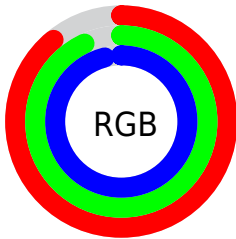
Format	Color
R _Y B	228, 233, 245
Decimal	15002869
CIE Lab	93.05, -0.98, -5.27
CIE LCh	93, 5.364, 259.516
Yxy	83.0775, 0.3020, 0.3197
Android (android.graphics.Color)	4293192949 (0xFFE4ECF5)
YUV	234.6340, 5.1104, -5.8180
Hunter-Lab	91.1469, -5.8296, -0.1310

Details

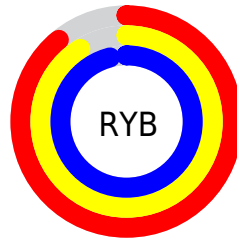
The XYZ color **78.4718, 83.0775, 98.2858** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.9442, 85.5815, 85.6001**, and the grayscale version is **78.6560, 82.7523, 90.1172**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7401, 45.2009, 54.6161** is the 20% darker color. If you saturate the color by 10%, you get **67.6456, 72.1566, 96.7497**, and if you desaturate by 10%, it is **90.6753, 95.1153, 99.9674**.

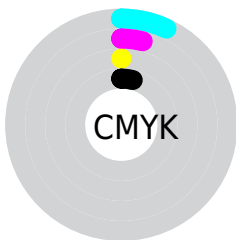
Distribution



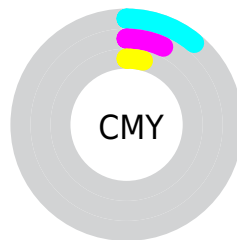
- Red (89%)
- Green (93%)
- Blue (96%)



- Red (89%)
- Yellow (91%)
- Blue (96%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4718, 83.0775, 98.2858 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 78.4718, 83.0775, 98.2858 by changing the saturation by 10% instead.

■ 78.4718, 83.0775,
98.2858

■ 78.4718, 83.0775,
98.2858

478.5830,
505.2448, 575.8824

■ 58.7658, 62.2541,
74.2608

130.1769,
137.6840, 160.8308

■ 42.6702, 45.2380,
54.5095

162.9066,
172.2359, 200.1878

■ 29.8199, 31.6450,
38.6132

200.7082,
212.1327, 245.4926

■ 19.8493, 21.0905,
26.1534

243.9472,
257.7589, 297.1638

■ 12.3932, 13.1901,
16.7117

292.9888,
309.4988, 355.6198

■ 7.0861, 7.5596,
9.8693

348.1984,

■ 3.5628, 3.8145,

367.7368, 421.2792

5.2079

409.9413,
432.8573, 494.5605

■ 1.4579, 1.5703,
2.3089

■ 0.2969, 0.3375,
0.7362

■ 78.4718, 83.0775,
98.2858

■ 78.4718, 83.0775,
98.2858

■ 67.6456, 72.1566,
96.7497

■ 90.6753, 95.1153,
99.9674

■ 58.1375, 62.3068,
95.3497

■ 93.4817, 99.3727,
100.6413

■ 49.8949, 53.4943,
94.0831

■ 42.8583, 45.6796,
92.9456

■ 36.9632, 38.8199,
91.9322

■ 32.1385, 32.8688,
91.0379

■ 28.3041, 27.7748,
90.2567

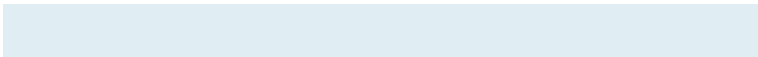
■ 25.3671, 23.4792,
89.5824

■ 23.2103, 19.9106,
89.0072

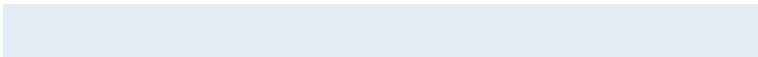
Harmonies

Analogous

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



77.2205, 83.0775, 96.4746



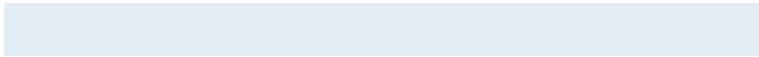
78.4718, 83.0775, 98.2858



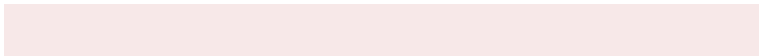
79.8692, 83.0775, 97.9527

Triad

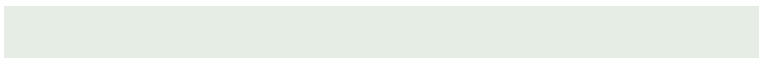
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4718, 83.0775, 98.2858



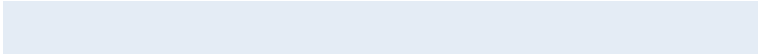
81.5382, 83.0775, 87.8954



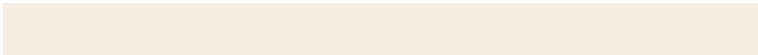
76.9243, 83.0775, 85.5233

Complementary

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



78.4718, 83.0775, 98.2858



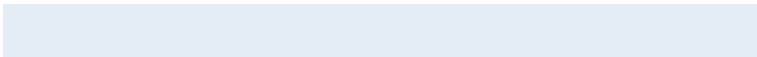
81.9442, 85.5815, 85.6001

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.



78.0630, 83.0775, 83.3544



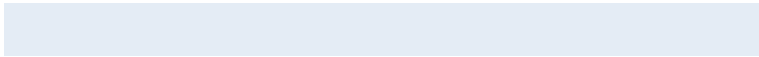
78.4718, 83.0775, 98.2858



80.7308, 83.0775, 84.6955

Square

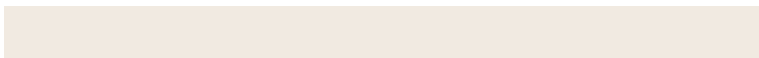
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



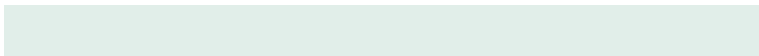
78.4718, 83.0775, 98.2858



81.6508, 83.0775, 91.8733



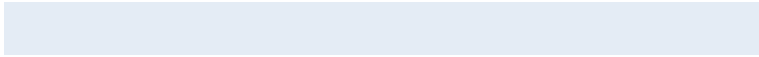
79.4556, 83.0775, 83.0559



76.3342, 83.0775, 89.0558

Rectangle

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



78.4718, 83.0775, 98.2858



80.6953, 83.0775, 96.5624



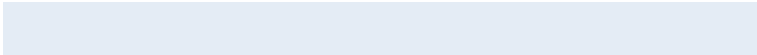
79.4556, 83.0775, 83.0559



77.2550, 83.0775, 84.6151

Sweetspot

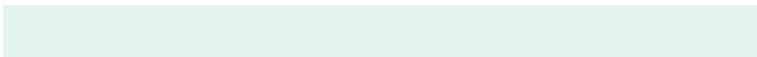
The Sweet Spot groups the original color and five complimentary colors.



78.4742, 83.0810, 98.2876



92.3436, 97.3356, 108.5284



79.9030, 87.9019, 92.7116



19.7937, 20.8618, 23.2334



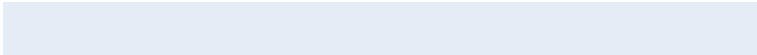
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.4742, 83.0810, 98.2876



84.5913, 89.6387, 107.4513



76.3111, 78.6212, 97.5408



16.2245, 17.2133, 21.0099



12.3392, 10.4722, 47.9090



1.1865, 1.1244, 4.2447

Inverse Universe

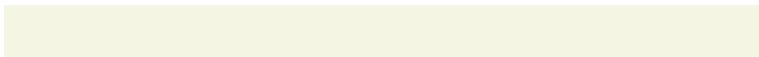
The Inverse Universe completely reimagines the original color for something new.



80.5418, 80.9570, 90.7423



87.1941, 86.9920, 97.9463



84.2147, 90.2691, 86.3853



16.8239, 16.6124, 18.8192



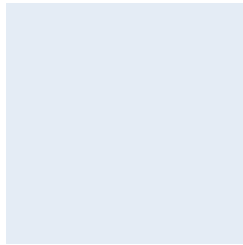
22.0328, 11.1565, 10.1469



1.9880, 1.0011, 1.1629

Previews

White Background



This preview shows how the XYZ color 78.4718, 83.0775, 98.2858 looks on a white background.

Color Contrast Check

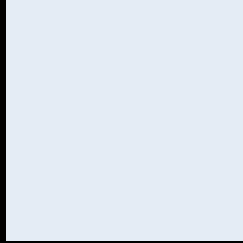
Large Text (above 18pt) WCAG AA × Fail

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 78.4718, 83.0775, 98.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

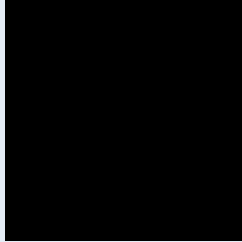
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

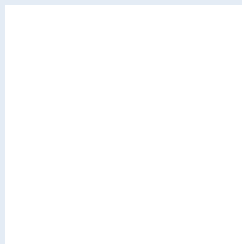
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4718, 83.0775, 98.2858

Background



This preview shows how black text looks on a background with the XYZ color 78.4718, 83.0775, 98.2858.



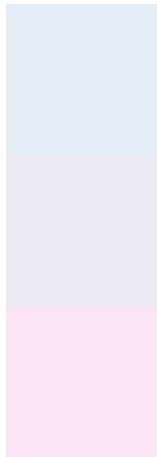
This preview shows how white text looks on a background with the XYZ color 78.4718, 83.0775,

98.2858.

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

78.4718, 83.0775, 98.2858

Protanopia

80.3440, 83.2102, 97.4145

Deuteranopia

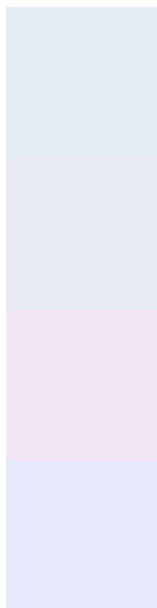
84.6768, 82.8977, 99.5336



Tritanopia

79.7511, 83.1665, 104.7779

Trichromacy



Original Color

78.4718, 83.0775, 98.2858

Protanomaly

79.6417, 83.2720, 97.4635

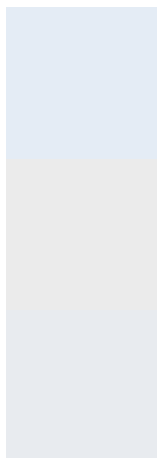
Deuteranomaly

82.1726, 82.8603, 98.8515

Tritanomaly

79.2767, 82.9768, 102.2803

Monochromacy



Original Color

78.4718, 83.0775, 98.2858

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5670, 82.8045, 93.5033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4718, 83.0775, 98.2858 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(228, 236, 245) looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 245)  
}
```

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(228, 236, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 245) }
```

Border

The CSS property to change the border of an element to XYZ 78.4718, 83.0775, 98.2858 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(228, 236, 245) }
```


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

```
.border{ border-color:rgb(228, 236, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 236, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 236, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 236,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4718, 83.0775, 98.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 245) }
```

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

```
.background{ background-color: rgb(228,  
236, 245) }
```

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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