

Converting Colors

XYZ(77.9800, 80.7044, 90.4934)

Have a look what the booklet for
XYZ(77.9800, 80.7044, 90.4934)
contains.

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Color

**XYZ(78.3083, 81.0408,
90.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE7EC
RGB	236, 231, 236
RGB Percent	93%, 91%, 93%
CMY	0.0745, 0.0941, 0.0745
CMYK	0.00, 0.02, 0.00, 0.07
HSL	300°, 12%, 92%
HSV	300°, 2%, 93%
XYZ	78.3083, 81.0408, 90.8720
YIQ	233.0650, 1.3750, 2.6150

Conversions

Conversions Part 2

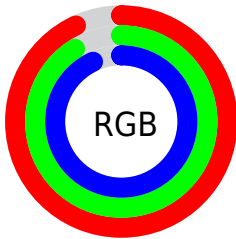
Format	Color
R _Y B	236, 231, 236
Decimal	15525868
CIE Lab	92.15, 2.57, -1.84
CIE LCh	92, 3.159, 324.467
Yxy	81.0408, 0.3130, 0.3239
Android (android.graphics.Color)	4293715948 (0xFFECE7EC)
YUV	233.0650, 1.4470, 2.5740
Hunter-Lab	90.0227, -2.2673, 3.1665

Details

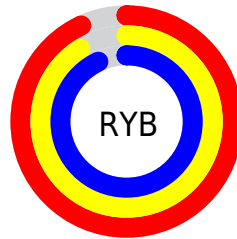
The XYZ color **78.3083, 81.0408, 90.8720** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.3773, 82.7515, 87.4998**, and the grayscale version is **77.4917, 81.5273, 88.7833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3906, 43.6585, 49.3727** is the 20% darker color. If you saturate the color by 10%, you get **72.1443, 68.7117, 88.8182**, and if you desaturate by 10%, it is **85.3675, 95.1580, 93.2262**.

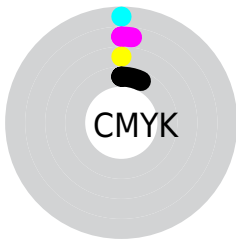
Distribution



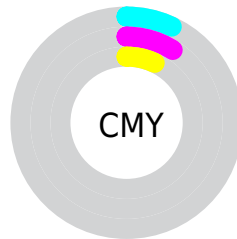
- Red (93%)
- Green (91%)
- Blue (93%)



- Red (93%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3083, 81.0408, 90.8720 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 78.3083, 81.0408, 90.8720 by changing the saturation by 10% instead.

■ 78.3083, 81.0408,
90.8720

■ 78.3083, 81.0408,
90.8720

478.0370,
498.4335, 551.5065

■ 58.6309, 60.5752,
68.1263

129.9477,
134.8281, 150.4951

■ 42.5613, 43.8824,
49.5332

162.6405,
168.9185, 188.2097

■ 29.7341, 30.5781,
34.6740

200.4024,
208.3194, 231.7509

■ 19.7839, 20.2778,
23.1304

243.5988,
253.4150, 281.5374

■ 12.3454, 12.5971,
14.4836

292.5952,
304.5899, 337.9876

■ 7.0532, 7.1517,
8.3152

347.7567,

■ 3.5421, 3.5572,

362.2283, 401.5202

4.2066

409.4489,
426.7147, 472.5537

■ 1.4465, 1.4291,
1.7394

■ 0.2890, 0.2380,
0.3875

■ 78.3083, 81.0408,
90.8720

■ 78.3083, 81.0408,
90.8720

■ 72.1443, 68.7117,
88.8182

■ 85.3675, 95.1580,
93.2262

■ 66.8332, 58.0894,
87.0477

■ 85.4932, 95.4094,
93.2682

■ 62.3395, 49.1021,
85.5497

■ 85.4932, 95.4094,
93.2683

■ 58.6227, 41.6685,
84.3107

■ 85.4932, 95.4094,
93.2684

55.6387, 35.7006,
83.3159

85.4933, 95.4094,
93.2685

53.3391, 31.1016,
82.5493

85.4933, 95.4094,
93.2687

51.6698, 27.7629,
81.9927

85.4933, 95.4094,
93.2688

50.5682, 25.5597,
81.6254

85.4933, 95.4094,
93.2689

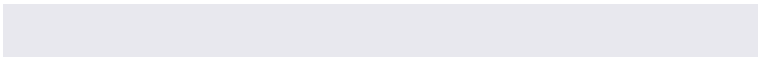
49.9592, 24.3417,
81.4223

85.4934, 95.4094,
93.2690

Harmonies

Analogous

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



77.6773, 81.0408, 92.3852



78.3083, 81.0408, 90.8720



78.5961, 81.0408, 88.6728

Triad

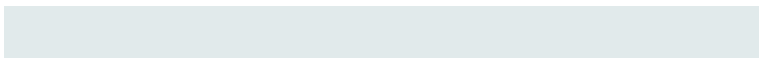
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3083, 81.0408, 90.8720



77.1780, 81.0408, 83.8504



75.6102, 81.0408, 90.1103

Complementary

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



78.3083, 81.0408, 90.8720



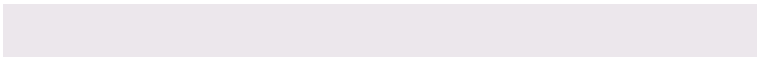
77.3773, 82.7515, 87.4998

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.



75.4786, 81.0408, 87.8079



78.3083, 81.0408, 90.8720



76.3801, 81.0408, 84.2200

Square

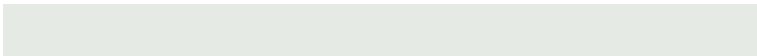
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3083, 81.0408, 90.8720



77.9406, 81.0408, 84.6399



75.7595, 81.0408, 85.6586



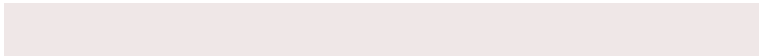
76.1203, 81.0408, 91.9400

Rectangle

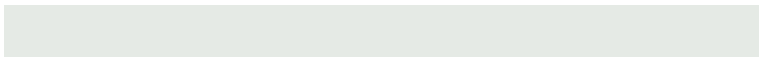
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



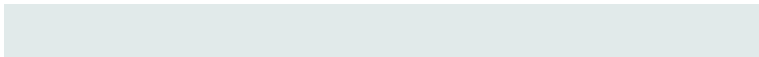
78.3083, 81.0408, 90.8720



78.5532, 81.0408, 87.1240



75.7595, 81.0408, 85.6586



75.5204, 81.0408, 89.3648

Sweetspot

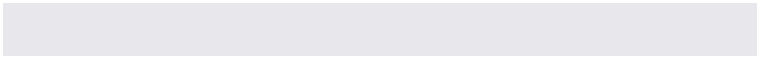
The Sweet Spot groups the original color and five complimentary colors.



78.3106, 81.0443, 90.8738



94.2419, 98.3838, 108.6306



76.6748, 80.2010, 90.7972



20.1802, 21.0752, 23.2543



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

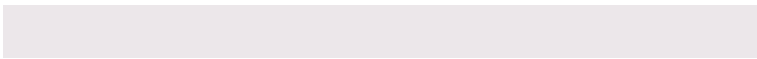
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3106, 81.0443, 90.8738



92.6579, 95.2158, 108.1026



77.9501, 80.9001, 88.9754



16.4665, 16.8171, 19.3004



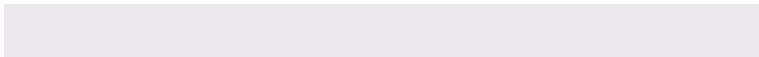
27.4133, 13.1680, 44.8392



2.1526, 1.0340, 3.5210

Inverse Universe

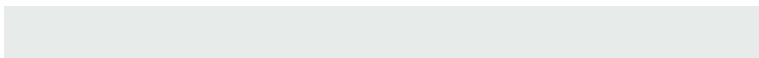
The Inverse Universe completely reimagines the original color for something new.



78.3106, 81.0443, 90.8738



92.6579, 95.2158, 108.1026



77.7327, 82.8937, 89.3716



16.4665, 16.8171, 19.3004



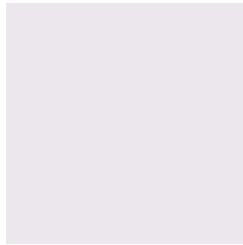
27.4133, 13.1680, 44.8392



2.1526, 1.0340, 3.5210

Previews

White Background



This preview shows how the XYZ color 78.3083, 81.0408, 90.8720 looks on a white background.

Color Contrast Check

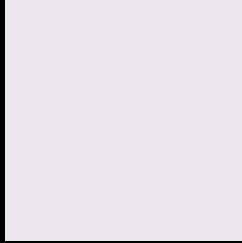
Large Text (above 18pt) WCAG AA × Fail

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 78.3083, 81.0408, 90.8720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

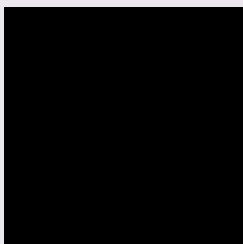
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

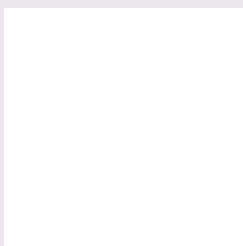
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3083, 81.0408, 90.8720

Background



This preview shows how black text looks on a background with the XYZ color 78.3083, 81.0408, 90.8720.



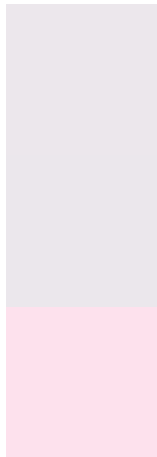
This preview shows how white text looks on a background with the XYZ color 78.3083, 81.0408,

90.8720.

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

78.3083, 81.0408, 90.8720

Protanopia

77.9772, 80.8701, 90.8565

Deuteranopia

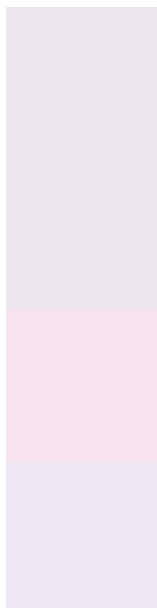
82.7193, 80.8475, 91.3661



Tritanopia

80.0677, 80.9312, 99.3969

Trichromacy



Original Color

78.3083, 81.0408, 90.8720

Protanomaly

77.9772, 80.8701, 90.8565

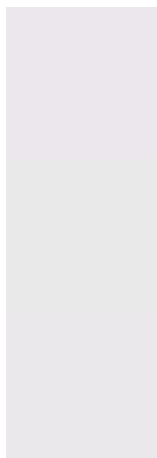
Deuteranomaly

81.1129, 80.8268, 91.4468

Tritanomaly

79.3995, 81.0692, 96.2571

Monochromacy



Original Color

78.3083, 81.0408, 90.8720

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6396, 81.1462, 89.4126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3083, 81.0408, 90.8720 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(236, 231, 236) looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 236)  
}
```

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(236, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 236) }
```

Border

The CSS property to change the border of an element to XYZ 78.3083, 81.0408, 90.8720 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(236, 231, 236) }
```


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

```
.border{ border-color:rgb(236, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3083, 81.0408, 90.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 236) }
```

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

```
.background{ background-color: rgb(236,  
231, 236) }
```

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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