

Converting Colors

XYZ(79.2372, 83.8780, 84.1095)

Have a look what the booklet for
XYZ(79.2372, 83.8780, 84.1095)
contains.

XYZ(78.9828, 83.6590, 83.9365)	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(78.9828, 83.6590,
83.9365)**

Conversions

Conversions Part 1

Format	Color
Hex	EEECE2
RGB	238, 236, 226
RGB Percent	93%, 93%, 89%
CMY	0.0667, 0.0745, 0.1137
CMYK	0.00, 0.01, 0.05, 0.07
HSL	50°, 26%, 91%
HSV	50°, 5%, 93%
XYZ	78.9828, 83.6590, 83.9365
YIQ	235.4580, 4.4020, -2.6860

Conversions

Conversions Part 2

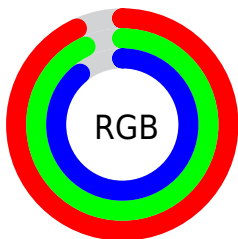
Format	Color
R _Y B	228, 238, 226
Decimal	15658210
CIE Lab	93.30, -1.05, 5.07
CIE LCh	93, 5.177, 101.749
Yxy	83.6590, 0.3203, 0.3393
Android (android.graphics.Color)	4293848290 (0xFFEEEECE2)
YUV	235.4580, -4.6628, 2.2293
Hunter-Lab	91.4653, -5.9246, 9.6161

Details

The XYZ color **78.9828, 83.6590, 83.9365** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5401, 77.8275, 91.9834**, and the grayscale version is **79.3487, 83.4810, 90.9109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9633, 45.5279, 45.0514** is the 20% darker color. If you saturate the color by 10%, you get **74.8149, 80.1912, 67.5376**, and if you desaturate by 10%, it is **83.6340, 87.3659, 102.7350**.

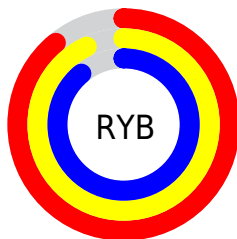
Distribution



Red (93%)

Green (93%)

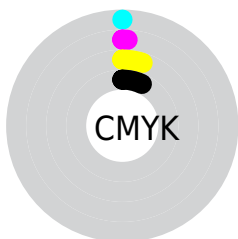
Blue (89%)



Red (89%)

Yellow (93%)

Blue (89%)

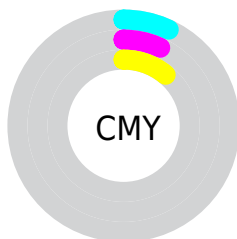


Cyan (0%)

Magenta (1%)

Yellow (5%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9828, 83.6590, 83.9365 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 78.9828, 83.6590, 83.9365 by changing the saturation by 10% instead.

■ 78.9828, 83.6590,
83.9365

■ 78.9828, 83.6590,
83.9365

480.2871,
507.1802, 528.1549

■ 59.1872, 62.7339,
62.4179

130.8927,
138.4981, 140.7473

■ 43.0108, 45.6260,
44.9325

163.7378,
173.1809, 176.8766

■ 30.0882, 31.9508,
31.0617

201.6634,
213.2184, 218.7132

■ 20.0539, 21.3239,
20.3870

245.0349,
258.9950, 266.6756

■ 12.5427, 13.3610,
12.4898

294.2176,
310.8950, 321.1825

■ 7.1893, 7.6776,
6.9516

349.5770,

■ 3.6281, 3.8893,

369.3030, 382.6523

3.3539

411.4784,
434.6033, 451.5036

■ 1.4940, 1.6119,
1.2780

■ 0.3217, 0.3656,
0.0437

■ 78.9828, 83.6590,
83.9365

■ 78.9828, 83.6590,
83.9365

■ 74.8149, 80.1912,
67.5376

■ 83.6340, 87.3659,
102.7350

■ 71.1046, 76.9439,
53.4352

■ 85.6375, 90.0517,
107.4759

■ 67.8343, 73.9125,
41.5264

■ 86.8409, 92.4584,
107.8770

■ 64.9823, 71.0881,
31.6986

■ 88.0699, 94.9165,
108.2867

■ 62.5253, 68.4610,
23.8291

■ 89.0703, 96.9174,
108.6202

■ 60.4372, 66.0206,
17.7822

■ 58.6890, 63.7550,
13.4051

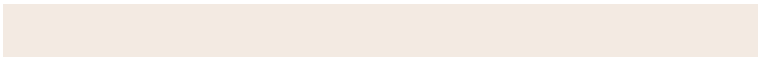
■ 57.2467, 61.6502,
10.5197

■ 56.0685, 59.6895,
8.9076

Harmonies

Analogous

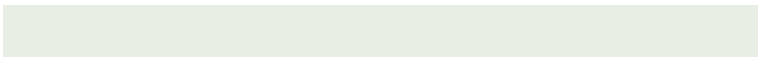
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3391, 83.6590, 84.1453



78.9828, 83.6590, 83.9365



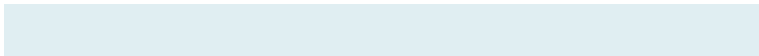
77.7827, 83.6590, 85.6036

Triad

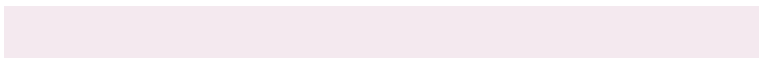
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9828, 83.6590, 83.9365



77.5757, 83.6590, 96.1812



82.0308, 83.6590, 93.4618

Complementary

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



78.9828, 83.6590, 83.9365



74.5401, 77.8275, 91.9834

Split Complementary

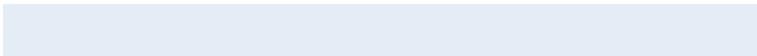
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2736, 83.6590, 96.8068



78.9828, 83.6590, 83.9365



78.6973, 83.6590, 98.4075

Square

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



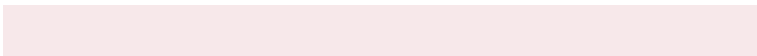
78.9828, 83.6590, 83.9365



76.9765, 83.6590, 92.6277



80.0503, 83.6590, 98.6397



82.1094, 83.6590, 89.5703

Rectangle

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



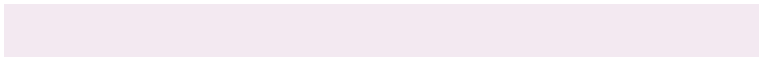
78.9828, 83.6590, 83.9365



77.2286, 83.6590, 87.5831



80.0503, 83.6590, 98.6397



81.8468, 83.6590, 94.6902

Sweetspot

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



78.9851, 83.6626, 83.9383



93.9697, 99.1359, 104.5427



76.4610, 78.1726, 84.4589



20.1247, 21.2283, 22.4221



0.0000, 0.0000, 0.0000



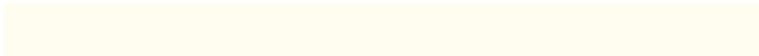
20.3446, 21.4041, 23.3091

Same Dimension

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



78.9851, 83.6626, 83.9383



91.8773, 97.4407, 96.1701



78.2348, 84.1336, 84.0688



17.1517, 18.2045, 17.7820



31.0735, 32.9451, 4.7213



2.6438, 2.8583, 0.4124

Inverse Universe

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



74.5401, 77.8275, 91.9834



85.7084, 89.3427, 107.3353



75.2633, 77.3900, 91.8609



15.8838, 16.5400, 20.0770



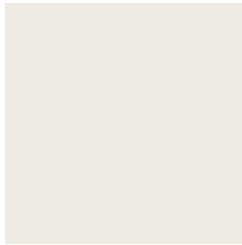
9.0877, 4.3997, 45.4981



0.8175, 0.4890, 3.8055

Previews

White Background



This preview shows how the XYZ color 78.9828, 83.6590, 83.9365 looks on a white background.

Color Contrast Check

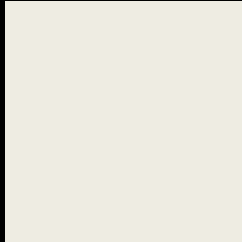
Large Text (above 18pt) WCAG AA × Fail

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 78.9828, 83.6590, 83.9365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

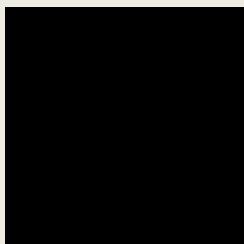
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

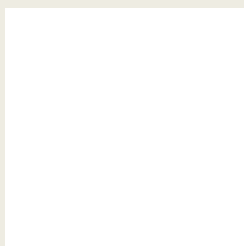
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.9828, 83.6590, 83.9365

Background



This preview shows how black text looks on a background with the XYZ color 78.9828, 83.6590, 83.9365.



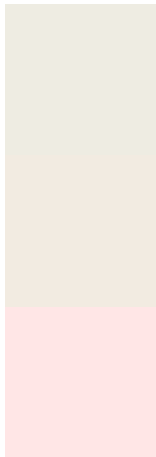
This preview shows how white text looks on a background with the XYZ color 78.9828, 83.6590,

83.9365.

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

78.9828, 83.6590, 83.9365

Protanopia

79.9169, 83.7301, 83.1836

Deuteranopia

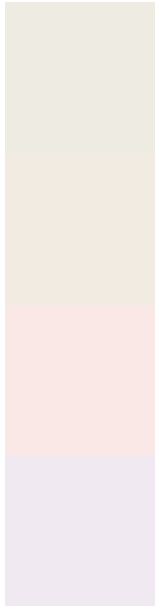
83.8197, 83.5668, 86.5751



Tritanopia

82.8871, 83.5555, 103.0260

Trichromacy



Original Color

78.9828, 83.6590, 83.9365

Protanomaly

79.5746, 83.5537, 83.1676

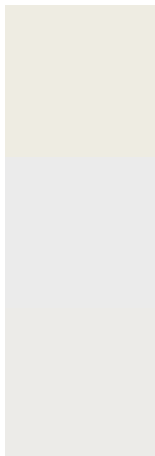
Deuteranomaly

82.0664, 83.5101, 85.9224

Tritanomaly

81.4416, 83.3894, 95.8077

Monochromacy



Original Color

78.9828, 83.6590, 83.9365

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.8659, 83.0757, 88.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9828, 83.6590, 83.9365 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(238, 236, 226) looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 226)  
}
```

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(238, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 226) }
```

Border

The CSS property to change the border of an element to XYZ 78.9828, 83.6590, 83.9365 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(238, 236, 226) }
```


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

```
.border{ border-color:rgb(238, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9828, 83.6590, 83.9365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 226) }
```

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

```
.background{ background-color: rgb(238,  
236, 226) }
```

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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