

Converting Colors

XYZ(78.6729, 84.1689, 99.2929)

Have a look what the booklet for
XYZ(78.6729, 84.1689, 99.2929)
contains.

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Color

**XYZ(78.5731, 83.9716,
99.2557)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EEF6
RGB	226, 238, 246
RGB Percent	89%, 93%, 96%
CMY	0.1137, 0.0666, 0.0353
CMYK	0.08, 0.03, 0.00, 0.04
HSL	204°, 53%, 93%
HSV	204°, 8%, 96%
XYZ	78.5731, 83.9716, 99.2557
YIQ	235.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

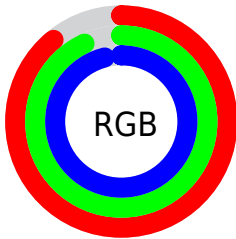
Format	Color
R _Y B	226, 234, 246
Decimal	14872310
CIE Lab	93.44, -2.45, -5.24
CIE LCh	93, 5.783, 244.885
Yxy	83.9716, 0.3001, 0.3207
Android (android.graphics.Color)	4293062390 (0xFFE2EEF6)
YUV	235.3240, 5.2633, -8.1771
Hunter-Lab	91.6360, -7.3086, -0.0748

Details

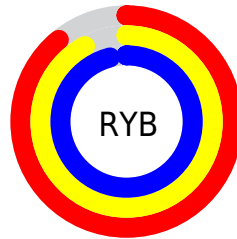
The XYZ color **78.5731, 83.9716, 99.2557** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.1567, 83.9289, 83.8754**, and the grayscale version is **79.1809, 83.3045, 90.7186**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8168, 45.8315, 55.3049** is the 20% darker color. If you saturate the color by 10%, you get **68.6204, 74.7073, 97.9934**, and if you desaturate by 10%, it is **89.7938, 94.1264, 100.6257**.

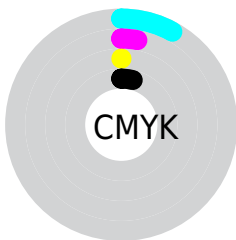
Distribution



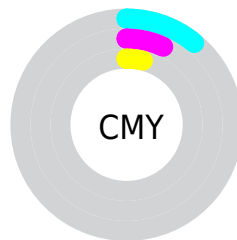
- Red (89%)
- Green (93%)
- Blue (96%)



- Red (89%)
- Yellow (92%)
- Blue (96%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5731, 83.9716, 99.2557 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 78.5731, 83.9716, 99.2557 by changing the saturation by 10% instead.

■ 78.5731, 83.9716,
99.2557

■ 78.5731, 83.9716,
99.2557

478.9211,
508.2189, 579.0300

■ 58.8493, 62.9920,
75.0657

130.3188,
138.9354, 162.1769

■ 42.7377, 45.8347,
55.1646

163.0714,
173.6885, 201.7452

■ 29.8730, 32.1154,
39.1341

200.8977,
213.8014, 247.2766

■ 19.8898, 21.4497,
26.5554

244.1629,
259.6587, 299.1897

■ 12.4228, 13.4531,
17.0101

293.2325,
311.6447, 357.9031

■ 7.1065, 7.7413,
10.0797

348.4718,

■ 3.5757, 3.9299,

370.1438, 423.8352

5.3455

410.2462,
435.5404, 497.4047

■ 1.4650, 1.6344,
2.3891

■ 0.3019, 0.3806,
0.7805

■ 78.5731, 83.9716,
99.2557

■ 78.5731, 83.9716,
99.2557

■ 68.6204, 74.7073,
97.9934

■ 89.7938, 94.1264,
100.6257

■ 59.8792, 66.2939,
96.8301

■ 93.6348, 99.4339,
101.4477

■ 52.2989, 58.7038,
95.7646

■ 45.8228, 51.9038,
94.7934

■ 40.3888, 45.8581,
93.9129

■ 35.9279, 40.5271,
93.1190

■ 32.3623, 35.8663,
92.4073

■ 29.6003, 31.8243,
91.7727

■ 27.5165, 28.3318,
91.2084

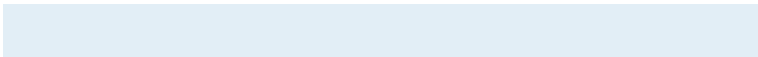
Harmonies

Analogous

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



77.4288, 83.9716, 96.3235



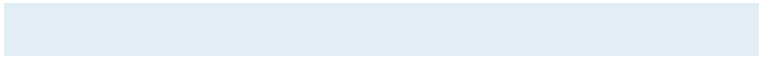
78.5731, 83.9716, 99.2557



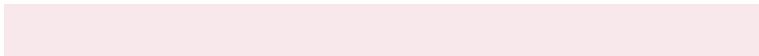
80.0627, 83.9716, 100.0651

Triad

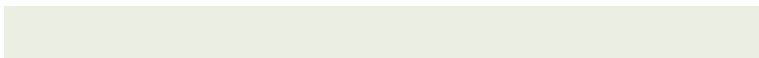
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5731, 83.9716, 99.2557



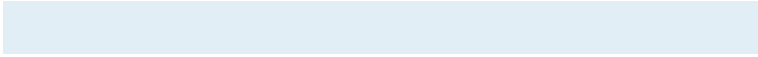
82.7730, 83.9716, 90.7168



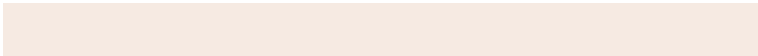
78.1454, 83.9716, 84.7068

Complementary

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



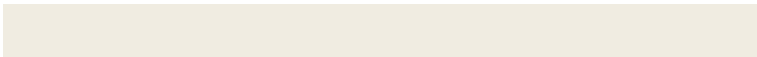
78.5731, 83.9716, 99.2557



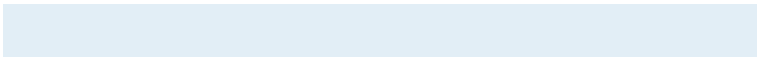
81.1567, 83.9289, 83.8754

Split Complementary

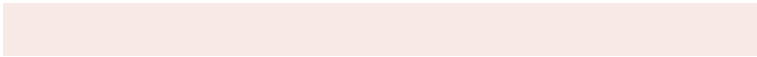
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5628, 83.9716, 83.3080



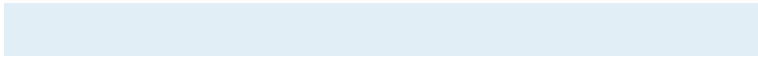
78.5731, 83.9716, 99.2557



82.2446, 83.9716, 86.7067

Square

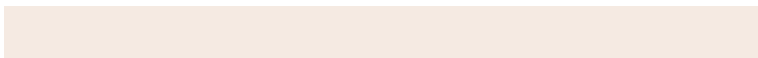
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



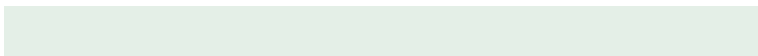
78.5731, 83.9716, 99.2557



82.4999, 83.9716, 95.0455



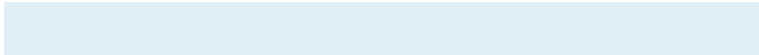
81.0648, 83.9716, 84.0284



77.1841, 83.9716, 87.9090

Rectangle

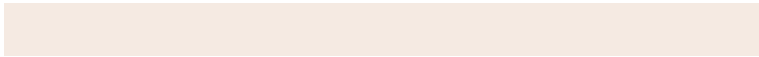
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5731, 83.9716, 99.2557



81.0540, 83.9716, 99.2708



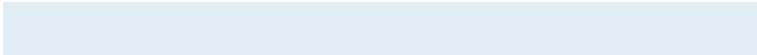
81.0648, 83.9716, 84.0284



78.5837, 83.9716, 84.0149

Sweetspot

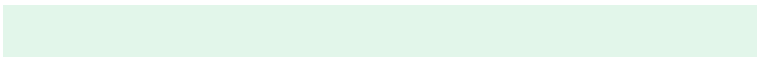
The Sweet Spot groups the original color and five complimentary colors.



78.5755, 83.9751, 99.2576



92.5514, 97.7514, 108.5977



79.1246, 88.0031, 90.4084



19.8360, 20.9465, 23.2476



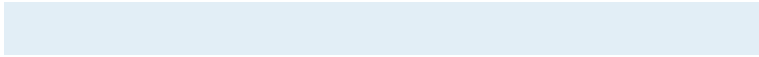
0.0000, 0.0000, 0.0000



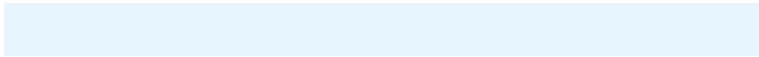
20.3446, 21.4041, 23.3091

Same Dimension

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



78.5755, 83.9751, 99.2576



83.1162, 89.1469, 107.4341



75.8352, 78.4945, 98.3441



16.4085, 17.5812, 21.0713



14.6425, 15.0788, 48.6768



1.3873, 1.5260, 4.3117

Inverse Universe

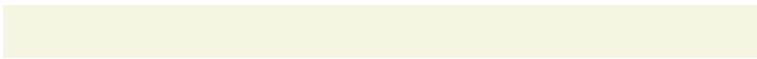
The Inverse Universe completely reimagines the original color for something new.



80.6369, 80.1603, 92.1154



85.8495, 84.1564, 97.9488



83.9853, 89.5862, 84.8183



16.9167, 16.6495, 19.3081



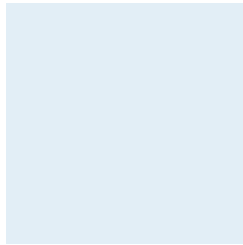
23.1954, 11.6216, 16.2690



2.0893, 1.0417, 1.6967

Previews

White Background



This preview shows how the XYZ color 78.5731, 83.9716, 99.2557 looks on a white background.

Color Contrast Check

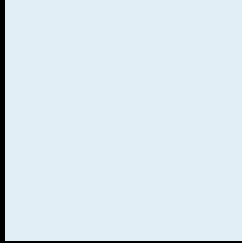
Large Text (above 18pt) WCAG AA × Fail

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 78.5731, 83.9716, 99.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

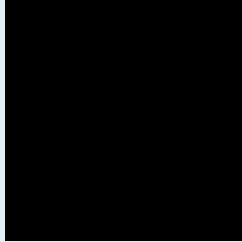
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

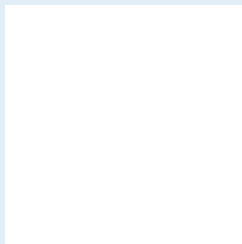
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5731, 83.9716, 99.2557

Background



This preview shows how black text looks on a background with the XYZ color 78.5731, 83.9716, 99.2557.



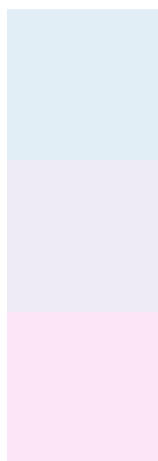
This preview shows how white text looks on a background with the XYZ color 78.5731, 83.9716,

99.2557.

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

78.5731, 83.9716, 99.2557

Protanopia

81.2974, 84.1255, 97.5410

Deuteranopia

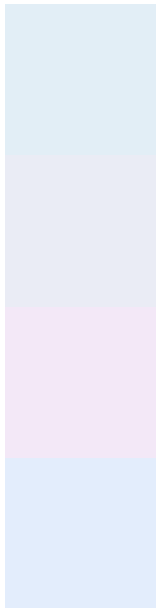
85.4706, 83.6986, 100.4576



Tritanopia

80.3291, 84.2824, 106.6421

Trichromacy



Original Color

78.5731, 83.9716, 99.2557

Protanomaly

80.4086, 84.0759, 98.3765

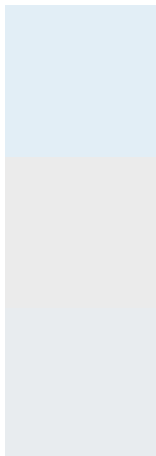
Deuteranomaly

82.6073, 83.4833, 99.7557

Tritanomaly

79.5334, 83.9275, 104.1032

Monochromacy



Original Color

78.5731, 83.9716, 99.2557

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.8542, 83.3787, 93.5990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5731, 83.9716, 99.2557 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(226, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 246)  
}
```

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(226, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 246) }
```

Border

The CSS property to change the border of an element to XYZ 78.5731, 83.9716, 99.2557 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(226, 238, 246) }
```


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

```
.border{ border-color:rgb(226, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 238, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 238, 246);  
box-shadow:4px 4px 4px 4px rgb(226, 238,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5731, 83.9716, 99.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 246) }
```

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

```
.background{ background-color: rgb(226,  
238, 246) }
```

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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