

Converting Colors

XYZ(76.8865, 81.7963,
100.0156)

Have a look what the booklet for
XYZ(76.8865, 81.7963, 100.0156)
contains.

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Color

**XYZ(76.9283, 81.8200,
99.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	DFEBF7
RGB	223, 235, 247
RGB Percent	87%, 92%, 97%
CMY	0.1255, 0.0784, 0.0314
CMYK	0.10, 0.05, 0.00, 0.03
HSL	210°, 60%, 92%
HSV	210°, 10%, 97%
XYZ	76.9283, 81.8200, 99.7340
YIQ	232.7800, -11.0040, 1.1880

Conversions

Conversions Part 2

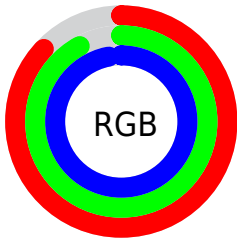
Format	Color
R _Y B	223, 231, 247
Decimal	14674935
CIE Lab	92.50, -1.69, -7.17
CIE LCh	92, 7.369, 256.756
Yxy	81.8200, 0.2976, 0.3165
Android (android.graphics.Color)	4292865015 (0xFFDFEBF7)
YUV	232.7800, 7.0105, -8.5771
Hunter-Lab	90.4544, -6.4872, -2.0544

Details

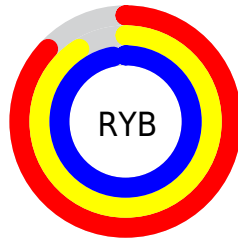
The XYZ color **76.9283, 81.8200, 99.7340** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3859, 84.5183, 81.8378**, and the grayscale version is **77.2436, 81.2662, 88.4989**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6725, 44.3266, 55.6497** is the 20% darker color. If you saturate the color by 10%, you get **66.4537, 71.3553, 98.2675**, and if you desaturate by 10%, it is **88.7632, 93.3546, 101.3379**.

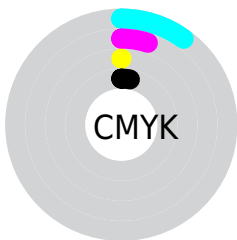
Distribution



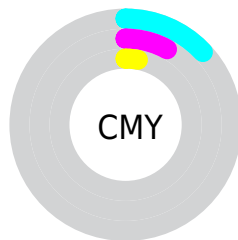
- Red (87%)
- Green (92%)
- Blue (97%)



- Red (87%)
- Yellow (91%)
- Blue (97%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9283, 81.8200, 99.7340 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 76.9283, 81.8200, 99.7340 by changing the saturation by 10% instead.

■ 76.9283, 81.8200,
99.7340

■ 76.9283, 81.8200,
99.7340

473.4152,
501.0454, 580.5789

■ 57.4937, 61.2172,
75.4628

128.0116,
135.9216, 162.8403

■ 41.6435, 44.4005,
55.4881

160.3911,
170.1891, 202.5124

■ 29.0121, 30.9855,
39.3914

197.8163,
209.7803, 248.1552

■ 19.2343, 20.5878,
26.7542

240.6526,
255.0796, 300.1873

■ 11.9447, 12.8230,
17.1579

289.2653,
306.4713, 359.0272

■ 6.7780, 7.3068,
10.1840

344.0197,

■ 3.3687, 3.6547,

364.3399, 425.0934

5.4139

405.2812,
429.0698, 498.8044

■ 1.3516, 1.4823,
2.4292

■ 0.2214, 0.2763,
0.8023

■ 76.9283, 81.8200,
99.7340

■ 76.9283, 81.8200,
99.7340

■ 66.4537, 71.3553,
98.2675

■ 88.7632, 93.3546,
101.3379

■ 57.2793, 61.9157,
96.9290

■ 93.7887, 99.4955,
102.2583

■ 49.3513, 53.4678,
95.7162

■ 42.6086, 45.9726,
94.6249

■ 36.9849, 39.3876,
93.6503

■ 32.4065, 33.6666,
92.7873

■ 28.7898, 28.7576,
92.0304

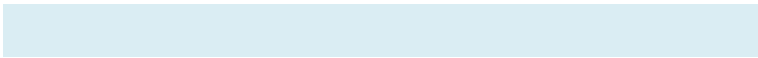
■ 26.0363, 24.6006,
91.3731

■ 23.9906, 21.1062,
90.8064

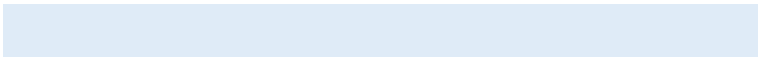
Harmonies

Analogous

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



75.2760, 81.8200, 96.9792



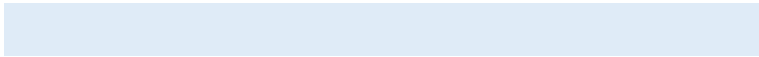
76.9283, 81.8200, 99.7340



78.8321, 81.8200, 99.5541

Triad

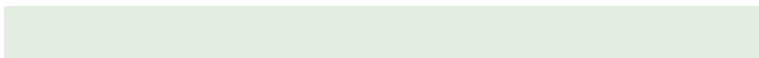
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9283, 81.8200, 99.7340



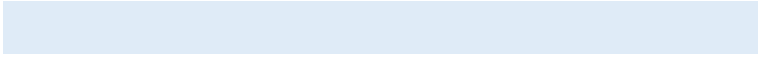
81.3408, 81.8200, 86.0873



75.1203, 81.8200, 82.0682

Complementary

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



76.9283, 81.8200, 99.7340



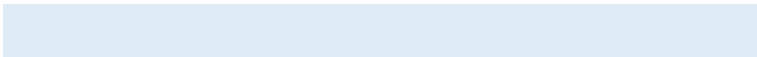
81.3859, 84.5183, 81.8378

Split Complementary

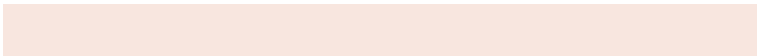
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7125, 81.8200, 79.3826



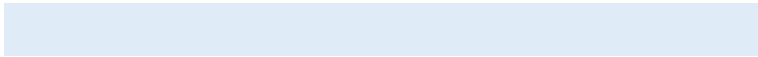
76.9283, 81.8200, 99.7340



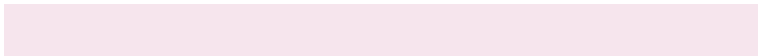
80.3132, 81.8200, 81.6370

Square

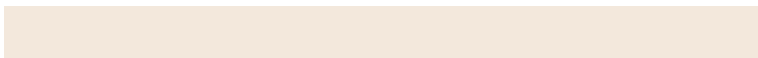
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



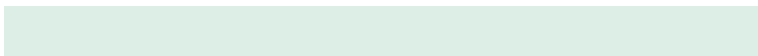
76.9283, 81.8200, 99.7340



81.4009, 81.8200, 91.5219



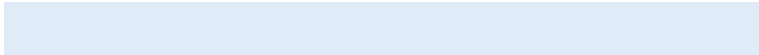
78.6127, 81.8200, 79.2280



74.2438, 81.8200, 86.6978

Rectangle

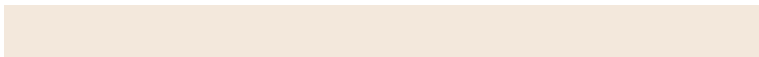
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9283, 81.8200, 99.7340



79.9880, 81.8200, 97.7920



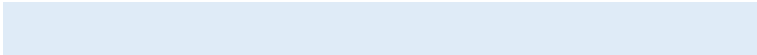
78.6127, 81.8200, 79.2280



75.5884, 81.8200, 80.9165

Sweetspot

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



76.9307, 81.8234, 99.7358



91.0835, 96.1622, 108.3683



78.6313, 88.1860, 91.1734



19.2736, 20.3670, 23.1653



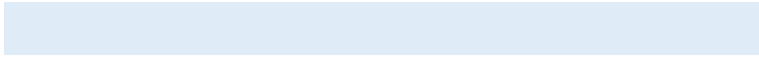
0.0000, 0.0000, 0.0000



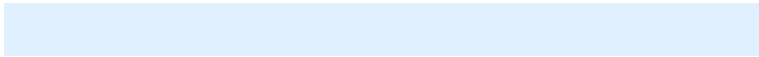
20.3446, 21.4041, 23.3091

Same Dimension

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



76.9307, 81.8234, 99.7358



79.9876, 85.2773, 106.8521



73.7162, 75.3944, 98.6643



16.2659, 17.2962, 21.0238



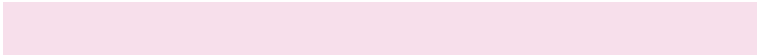
12.8020, 11.3977, 48.0633



1.2279, 1.2073, 4.2585

Inverse Universe

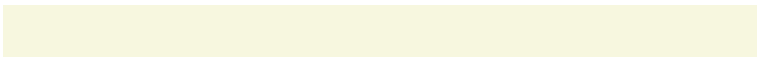
The Inverse Universe completely reimagines the original color for something new.



79.7428, 78.5495, 89.5598



83.6875, 81.0603, 93.4431



84.8170, 91.3804, 82.9815



16.8448, 16.6208, 18.9293



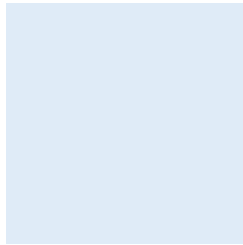
22.2664, 11.2500, 11.3769



2.0089, 1.0095, 1.2731

Previews

White Background



This preview shows how the XYZ color 76.9283, 81.8200, 99.7340 looks on a white background.

Color Contrast Check

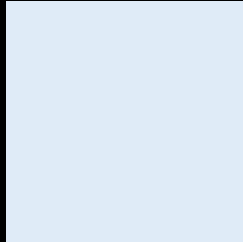
Large Text (above 18pt) WCAG AA × Fail

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 76.9283, 81.8200, 99.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

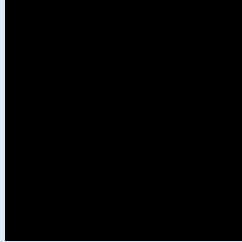
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

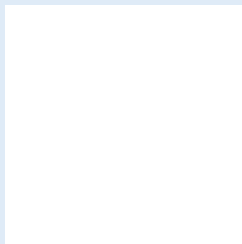
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9283, 81.8200, 99.7340

Background



This preview shows how black text looks on a background with the XYZ color 76.9283, 81.8200, 99.7340.



This preview shows how white text looks on a background with the XYZ color 76.9283, 81.8200,

99.7340.

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

76.9283, 81.8200, 99.7340

Protanopia

79.2697, 81.7982, 97.9969

Deuteranopia

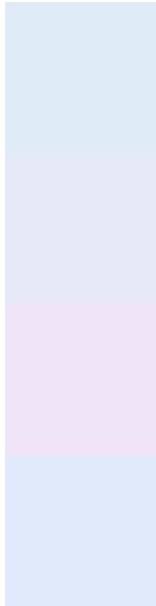
83.3622, 81.3720, 100.9352



Tritanopia

77.8929, 81.7848, 104.6092

Trichromacy



Original Color

76.9283, 81.8200, 99.7340

Protanomaly

78.4066, 81.7546, 98.8365

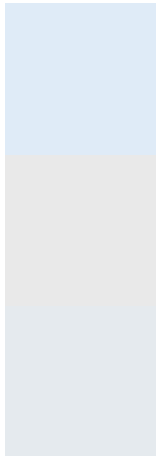
Deuteranomaly

80.8978, 81.3412, 100.2436

Tritanomaly

77.5759, 81.6580, 102.9397

Monochromacy



Original Color

76.9283, 81.8200, 99.7340

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.1685, 81.6767, 92.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9283, 81.8200, 99.7340 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(223, 235, 247)` looks like.

```
.text, #text, p{  
    color:rgb(223, 235, 247)  
}
```

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(223, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 247) }
```

Border

The CSS property to change the border of an element to XYZ 76.9283, 81.8200, 99.7340 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(223, 235, 247) }
```


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

```
.border{ border-color:rgb(223, 235, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 235, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9283, 81.8200, 99.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 247) }
```

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

```
.background{ background-color: rgb(223,  
235, 247) }
```

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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