

Converting Colors

XYZ(79.7012, 83.8944,
106.6003)

Have a look what the booklet for
XYZ(79.7012, 83.8944, 106.6003)
contains.

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Color

**XYZ(79.6982, 83.9571,
106.6125)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EDFF
RGB	226, 237, 255
RGB Percent	89%, 93%, 100%
CMY	0.1137, 0.0706, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	217°, 100%, 94%
HSV	217°, 11%, 100%
XYZ	79.6982, 83.9571, 106.6125
YIQ	235.7630, -12.3340, 3.2660

Conversions

Conversions Part 2

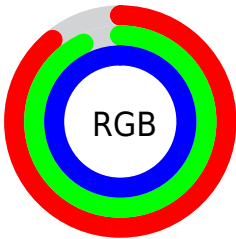
Format	Color
R_{YB}	226, 234, 255
Decimal	14872063
CIE _{Lab}	93.43, -0.20, -9.92
CIE _{LCh}	93, 9.926, 268.856
Yxy	83.9571, 0.2949, 0.3106
Android (android.graphics.Color)	4293062143 (0xFFE2EDFF)
YUV	235.7630, 9.4838, -8.5622
Hunter-Lab	91.6281, -5.0897, -4.8463

Details

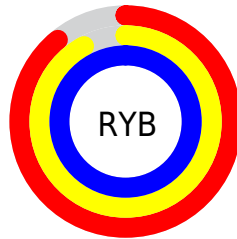
The XYZ color **79.6982, 83.9571, 106.6125** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3175, 91.4507, 85.0027**, and the grayscale version is **79.4860, 83.6255, 91.0682**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5115, 45.7829, 59.9698** is the 20% darker color. If you saturate the color by 10%, you get **67.9081, 71.3772, 104.8058**, and if you desaturate by 10%, it is **93.0863, 97.9655, 108.6108**.

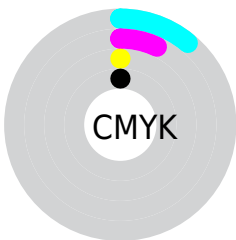
Distribution



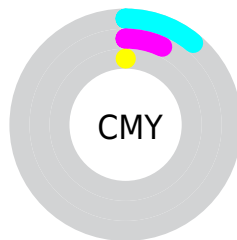
- Red (89%)
- Green (93%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6982, 83.9571, 106.6125 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 79.6982, 83.9571, 106.6125 by changing the saturation by 10% instead.

■ 79.6982, 83.9571,
106.6125

■ 79.6982, 83.9571,
106.6125

482.6672,
508.1708, 602.6181

■ 59.7776, 62.9800,
81.1867

131.8941,
138.9152, 172.3458

■ 43.4882, 45.8250,
60.1635

164.9001,
173.6649, 213.4905

■ 30.4645, 32.1078,
43.1243

202.9987,
213.7744, 260.7118

■ 20.3413, 21.4438,
29.6505

246.5552,
259.6279, 314.4284

■ 12.7531, 13.4488,
19.3237

295.9349,
311.6099, 375.0588

■ 7.3345, 7.7383,
11.7252

351.5033,

■ 3.7204, 3.9280,

370.1048, 443.0215

6.4366

413.6256,
435.4970, 518.7351

■ 1.5452, 1.6334,
3.0393

■ 0.3563, 0.3799,
1.1147

■ 79.6982, 83.9571,
106.6125

■ 79.6982, 83.9571,
106.6125

■ 67.9081, 71.3772,
104.8058

■ 93.0863, 97.9655,
108.6108

■ 57.6465, 60.1678,
103.1830

95.0500, 100.0000,
108.9000

■ 48.8487, 50.2817,
101.7385

■ 41.4423, 41.6648,
100.4656

■ 35.3485, 34.2589,
99.3573

■ 30.4798, 28.0004,
98.4059

■ 26.7366, 22.8184,
97.6030

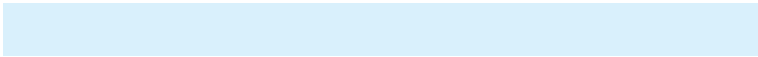
■ 24.0014, 18.6315,
96.9390

■ 22.3024, 15.7247,
96.4675

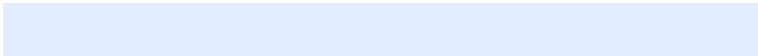
Harmonies

Analogous

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



77.2214, 83.9571, 104.3282



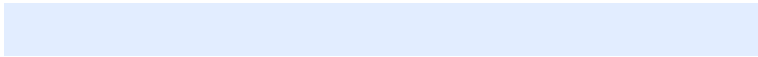
79.6982, 83.9571, 106.6125



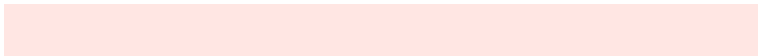
82.2549, 83.9571, 104.6430

Triad

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



79.6982, 83.9571, 106.6125



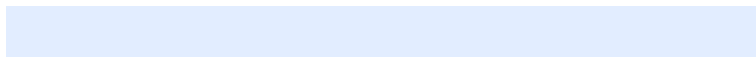
84.2929, 83.9571, 84.6270



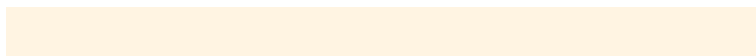
75.5641, 83.9571, 84.1541

Complementary

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



79.6982, 83.9571, 106.6125



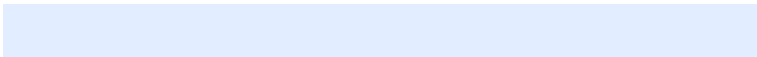
87.3175, 91.4507, 85.0027

Split Complementary

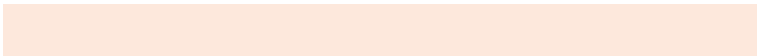
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3919, 83.9571, 79.3516



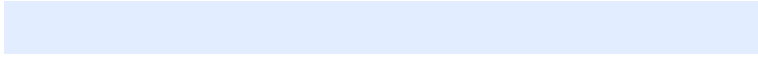
79.6982, 83.9571, 106.6125



82.4327, 83.9571, 79.6139

Square

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



79.6982, 83.9571, 106.6125



84.9424, 83.9571, 91.7033



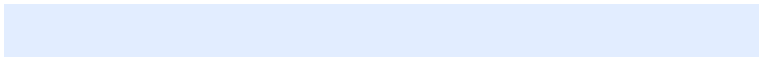
79.8993, 83.9571, 77.7351



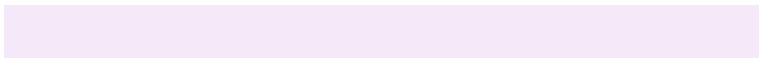
74.8670, 83.9571, 91.1274

Rectangle

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



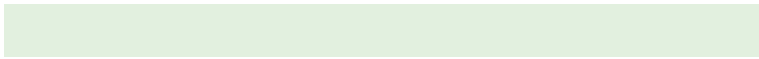
79.6982, 83.9571, 106.6125



83.6530, 83.9571, 101.2405



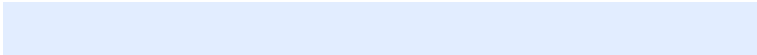
79.8993, 83.9571, 77.7351



76.0646, 83.9571, 82.2468

Sweetspot

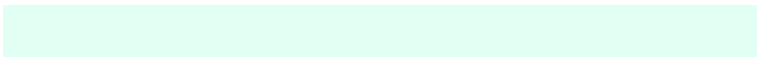
The Sweet Spot groups the original color and five complimentary colors.



79.7004, 83.9605, 106.6131



90.7955, 95.5862, 108.2723



83.4363, 94.2137, 99.2833



19.1960, 20.2117, 23.1395



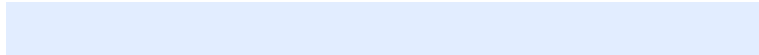
0.0000, 0.0000, 0.0000



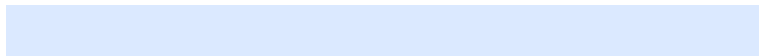
20.3446, 21.4041, 23.3091

Same Dimension

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



79.7004, 83.9605, 106.6131



76.4491, 80.5174, 106.1198



77.6831, 78.3354, 105.6336



17.5679, 18.5073, 22.8963



11.7858, 8.4812, 50.4504



1.2489, 1.0284, 4.9460

Inverse Universe

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



83.7238, 81.7687, 91.4950



81.3359, 77.9541, 87.7354



89.4941, 97.6351, 86.0817



18.2945, 18.1011, 20.1681



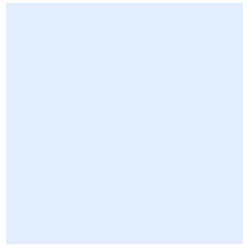
22.7371, 11.5841, 7.2662



2.2650, 1.1484, 0.9768

Previews

White Background



This preview shows how the XYZ color 79.6982, 83.9571, 106.6125 looks on a white background.

Color Contrast Check

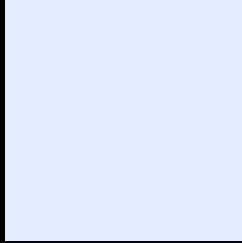
Large Text (above 18pt) WCAG AA × Fail

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 79.6982, 83.9571, 106.6125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

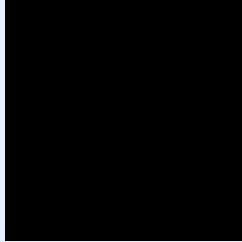
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

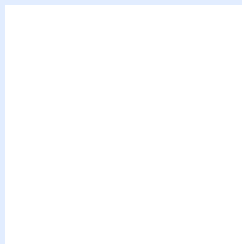
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6982, 83.9571, 106.6125

Background



This preview shows how black text looks on a background with the XYZ color 79.6982, 83.9571, 106.6125.



This preview shows how white text looks on a background with the XYZ color 79.6982, 83.9571,

106.6125.

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

79.6982, 83.9571, 106.6125

Protanopia

81.4134, 83.5997, 104.7739

Deuteranopia

85.0582, 83.7701, 106.2939



Tritanopia

79.6982, 83.9571, 106.6125

Trichromacy



Original Color

79.6982, 83.9571, 106.6125

Protanomaly

80.8764, 83.7282, 105.6644

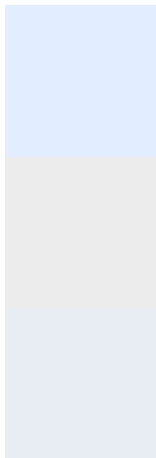
Deuteranomaly

83.1241, 84.0231, 106.4447

Tritanomaly

79.6982, 83.9571, 106.6125

Monochromacy



Original Color

79.6982, 83.9571, 106.6125

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.4518, 83.6178, 96.7463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6982, 83.9571, 106.6125 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 237, 255)  
}
```

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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.6982, 83.9571, 106.6125 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, 237, 255) }
```


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

```
.border{ border-color:rgb(226, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6982, 83.9571, 106.6125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 237, 255) }
```

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

```
.background{ background-color: rgb(226,  
237, 255) }
```

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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