

# Converting Colors

XYZ(78.4530, 91.6263, 99.8837)

Have a look what the booklet for  
XYZ(78.4530, 91.6263, 99.8837)  
contains.

<b>XYZ(78.5359, 91.6679, 99.9406)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(78.5359, 91.6679,  
99.9406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFF5
RGB	209, 255, 245
RGB Percent	82%, 100%, 96%
CMY	0.1804, 0.0000, 0.0392
CMYK	0.18, 0.00, 0.04, 0.00
HSL	167°, 100%, 91%
HSV	167°, 18%, 100%
XYZ	78.5359, 91.6679, 99.9406
YIQ	240.1060, -24.2060, -12.8620

# Conversions

## Conversions Part 2

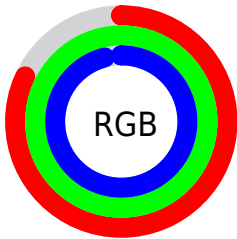
Format	Color
R <sub>YB</sub>	209, 235, 255
Decimal	13762549
CIE Lab	96.68, -16.52, -0.08
CIE LCh	97, 16.521, 180.292
Yxy	91.6679, 0.2907, 0.3393
Android (android.graphics.Color)	4291952629 (0xFFD1FFF5)
YUV	240.1060, 2.4127, -27.2800
Hunter-Lab	95.7434, -21.1317, 5.1312

# Details

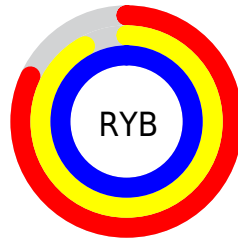
The XYZ color **78.5359, 91.6679, 99.9406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8272, 71.9765, 76.8617**, and the grayscale version is **82.9024, 87.2198, 94.9823**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7058, 50.9323, 55.7242** is the 20% darker color. If you saturate the color by 10%, you get **71.0560, 87.9081, 95.2403**, and if you desaturate by 10%, it is **87.1976, 96.0339, 104.8314**.

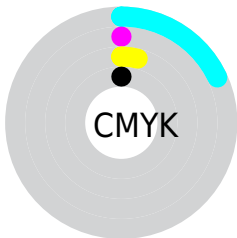
# Distribution



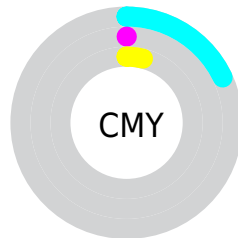
- Red (82%)
- Green (100%)
- Blue (96%)



- Red (82%)
- Yellow (92%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5359, 91.6679, 99.9406 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 78.5359, 91.6679, 99.9406 by changing the saturation by 10% instead.




 78.5359, 91.6679,  
99.9406

 78.5359, 91.6679,  
99.9406


478.7969,  
533.4417, 581.2473

 58.8186, 69.3648,  
75.6343


130.2667,  
149.6530, 163.1267

 42.7129, 51.0089,  
55.6278


163.0109,  
186.1039, 202.8436

 29.8535, 36.2157,  
39.5026


200.8281,  
228.0394, 248.5345

 19.8749, 24.6008,  
26.8401


244.0837,  
275.8441, 300.6179

 12.4119, 15.7799,  
17.2218

293.1430,  
329.9022, 359.5123

 7.0990, 9.3685,  
10.2291

348.3714,

 3.5710, 4.9823,

390.5983, 425.6363

5.4436

410.1343,  
458.3166, 499.4085

■ 1.4624, 2.2369,  
2.4465

■ 0.3000, 0.7400,  
0.8116

■ 78.5359, 91.6679,  
99.9406

■ 78.5359, 91.6679,  
99.9406

■ 71.0560, 87.9081,  
95.2403

■ 87.1976, 96.0339,  
104.8314

■ 64.7002, 84.7250,  
90.7224

95.0500, 100.0000,  
108.9000

■ 59.4100, 82.0883,  
86.3844

■ 55.1202, 79.9645,  
82.2222

■ 51.7585, 78.3164,  
78.2310

■ 49.2426, 77.1014,  
74.4059

■ 47.4754, 76.2697,  
70.7411

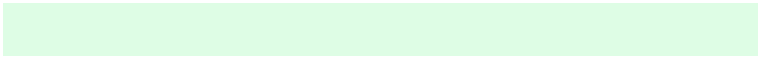
■ 46.3253, 75.7533,  
67.2292

■ 46.1355, 75.6702,  
66.5564

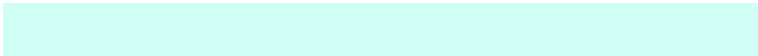
# Harmonies

## Analogous

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



79.6313, 91.6679, 87.7164



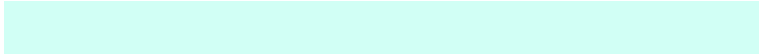
78.5359, 91.6679, 99.9406



79.6740, 91.6679, 113.2130

# Triad

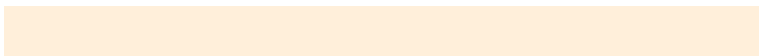
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5359, 91.6679, 99.9406



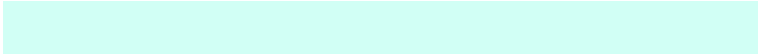
91.6896, 91.6679, 123.4506



91.6084, 91.6679, 79.2882

# Complementary

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



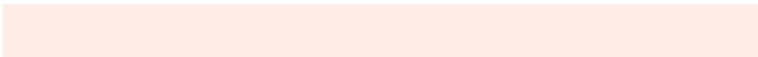
78.5359, 91.6679, 99.9406



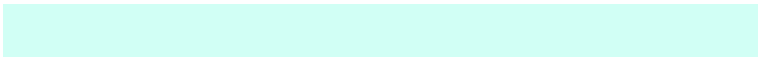
76.8272, 71.9765, 76.8617

# 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.



95.0322, 91.6679, 87.5103



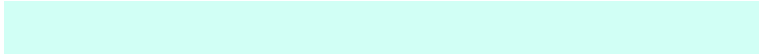
78.5359, 91.6679, 99.9406



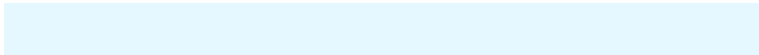
95.0802, 91.6679, 112.9687

# Square

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



78.5359, 91.6679, 99.9406



87.1729, 91.6679, 127.4995



96.3241, 91.6679, 99.6810

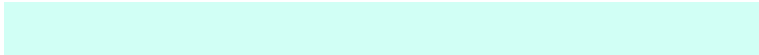


87.0823, 91.6679, 76.4524



# Rectangle

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



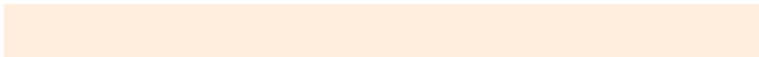
78.5359, 91.6679, 99.9406



81.5700, 91.6679, 120.7088



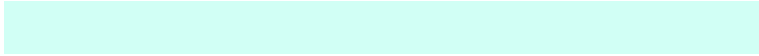
96.3241, 91.6679, 99.6810



92.9320, 91.6679, 81.4757

# Sweetspot

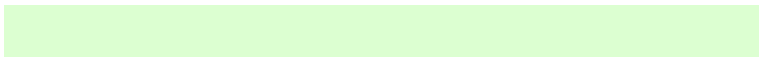
The Sweet Spot groups the original color and five complimentary colors.



78.5368, 91.6683, 99.9421



90.0708, 97.4843, 106.3547



76.7039, 91.2979, 73.9025



19.1344, 20.7927, 22.6885



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

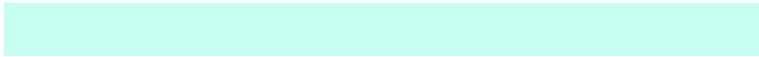


# Same Dimension

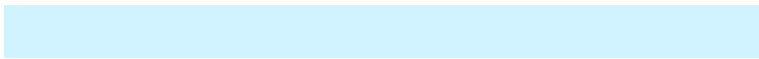
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5368, 91.6683, 99.9421



75.4350, 90.1078, 98.0572



76.3161, 84.7177, 106.9376



18.3759, 20.4099, 22.2823



24.1646, 39.5624, 35.0818



2.3927, 3.8680, 3.6260



# Inverse Universe

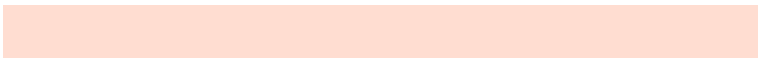
The Inverse Universe completely reimagines the original color for something new.



76.8272, 71.9765, 76.8617



73.4101, 66.7687, 70.7083



78.6762, 77.7182, 71.1774



18.1710, 18.0517, 19.5174



21.9591, 11.2729, 3.1689

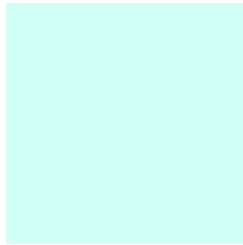


2.1764, 1.1129, 0.5105



# Previews

## White Background



This preview shows how the XYZ color 78.5359, 91.6679, 99.9406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

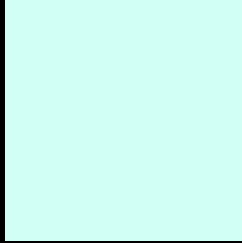
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5359, 91.6679, 99.9406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

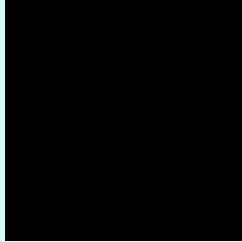
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

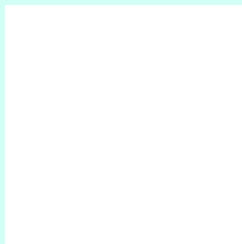
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.5359, 91.6679, 99.9406

## Background



This preview shows how black text looks on a background with the XYZ color 78.5359, 91.6679, 99.9406.



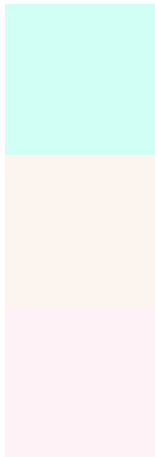
This preview shows how white text looks on a background with the XYZ color 78.5359, 91.6679,

99.9406.

# 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

78.5359, 91.6679, 99.9406

### Protanopia

87.7143, 91.4426, 94.6885

### Deuteranopia

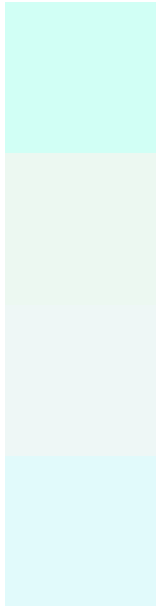
89.7806, 91.4797, 100.9211



## **Tritanopia**

85.2424, 91.2340, 107.7249

# Trichromacy



## Original Color

78.5359, 91.6679, 99.9406

## Protanomaly

84.0367, 91.3185, 96.4161

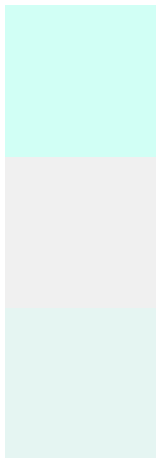
## Deuteranomaly

85.1552, 91.3525, 100.3334

## Tritanomaly

82.6495, 91.3438, 104.5418

# Monochromacy



## Original Color

78.5359, 91.6679, 99.9406

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

80.9925, 88.3736, 96.7935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5359, 91.6679, 99.9406 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(209, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 245)  
}
```

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(209, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5359, 91.6679, 99.9406 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(209, 255, 245) }
```



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

```
.border{ border-color:rgb(209, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5359, 91.6679, 99.9406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 245) }
```

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

```
.background{ background-color: rgb(209,  
255, 245) }
```

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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