

# Converting Colors

XYZ(79.8965, 92.3569,  
100.5628)

Have a look what the booklet for  
XYZ(79.8965, 92.3569, 100.5628)  
contains.

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# Color

**XYZ(79.8351, 92.3200,  
100.8006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFF6
RGB	213, 255, 246
RGB Percent	84%, 100%, 96%
CMY	0.1647, 0.0000, 0.0353
CMYK	0.16, 0.00, 0.04, 0.00
HSL	167°, 100%, 92%
HSV	167°, 16%, 100%
XYZ	79.8351, 92.3200, 100.8006
YIQ	241.4160, -22.1430, -11.7030

# Conversions

## Conversions Part 2

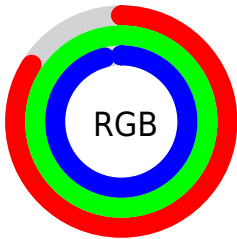
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 237, 255
Decimal	14024694
CIE <sub>Lab</sub>	96.95, -15.10, -0.18
CIE <sub>LCh</sub>	97, 15.098, 180.685
Yxy	92.3200, 0.2925, 0.3382
Android (android.graphics.Color)	4292214774 (0xFFD5FFF6)
YUV	241.4160, 2.2599, -24.9208
Hunter-Lab	96.0833, -19.8311, 5.0574

# Details

The XYZ color **79.8351, 92.3200, 100.8006** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2196, 74.1234, 79.2920**, and the grayscale version is **83.9317, 88.3027, 96.1616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5889, 51.3750, 56.3342** is the 20% darker color. If you saturate the color by 10%, you get **72.1849, 88.4715, 96.1302**, and if you desaturate by 10%, it is **88.6747, 96.7786, 105.6583**.

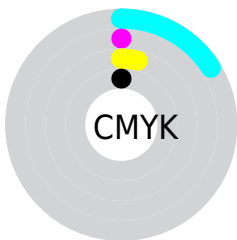
# Distribution



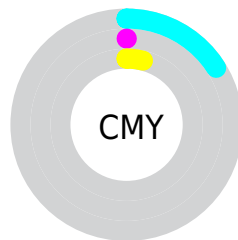
- Red (84%)
- Green (100%)
- Blue (96%)



- Red (84%)
- Yellow (93%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8351, 92.3200, 100.8006 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 79.8351, 92.3200, 100.8006 by changing the saturation by 10% instead.



79.8351, 92.3200,  
100.8006

79.8351, 92.3200,  
100.8006

483.1219,  
535.5492, 584.0250

59.8907, 69.9064,  
76.3487

132.0856,  
150.5568, 164.3184

43.5796, 51.4503,  
56.2101

165.1224,  
187.1489, 204.2214

30.5367, 36.5671,  
39.9663

203.2540,  
229.2359, 250.1119

20.3964, 24.8725,  
27.1987

246.8458,  
277.2023, 302.4084

12.7934, 15.9821,  
17.4887

296.2631,  
331.4324, 361.5294

7.3625, 9.5115,  
10.4179

351.8714,

3.7381, 5.0763,

392.3107, 427.8935

5.5677

414.0359,  
460.2214, 501.9192

■ 1.5551, 2.2921,  
2.5196

■ 0.3629, 0.7695,  
0.8505

■ 79.8351, 92.3200,  
100.8006

■ 79.8351, 92.3200,  
100.8006

■ 72.1849, 88.4715,  
96.1302

■ 88.6747, 96.7786,  
105.6583

■ 65.6669, 85.2041,  
91.6391

95.0500, 100.0000,  
108.9000

■ 60.2235, 82.4877,  
87.3249

■ 55.7905, 80.2895,  
83.1834

■ 52.2968, 78.5728,  
79.2102

■ 49.6620, 77.2961,  
75.4004

■ 47.7918, 76.4108,  
71.7484

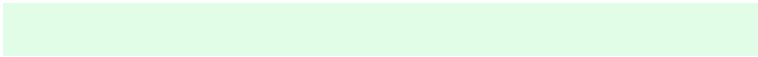
■ 46.5683, 75.8563,  
68.2475

■ 46.2281, 75.7073,  
67.0445

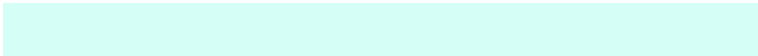
# Harmonies

## Analogous

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



80.8201, 92.3200, 89.5031



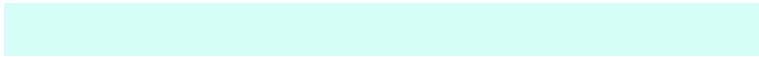
79.8351, 92.3200, 100.8006



80.9126, 92.3200, 112.9300

# Triad

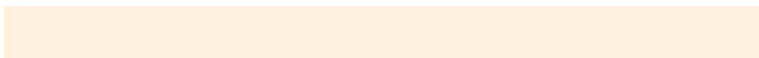
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8351, 92.3200, 100.8006



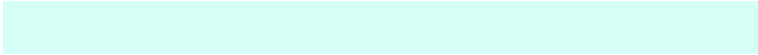
91.9796, 92.3200, 121.9969



91.8052, 92.3200, 81.4824

# Complementary

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



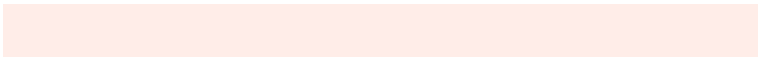
79.8351, 92.3200, 100.8006



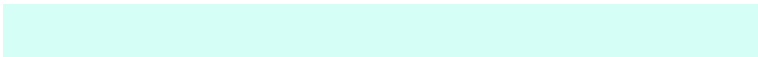
78.2196, 74.1234, 79.2920

# 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.



94.9567, 92.3200, 89.0557



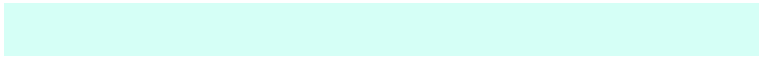
79.8351, 92.3200, 100.8006



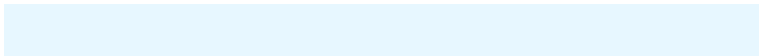
95.0596, 92.3200, 112.4075

# Square

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



79.8351, 92.3200, 100.8006



87.8450, 92.3200, 125.7575



96.1659, 92.3200, 100.2415



87.6498, 92.3200, 78.9086

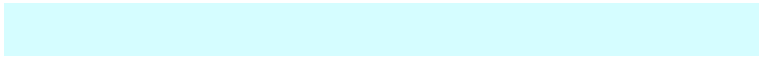


# Rectangle

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



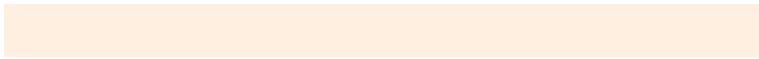
79.8351, 92.3200, 100.8006



82.6762, 92.3200, 119.7154



96.1659, 92.3200, 100.2415



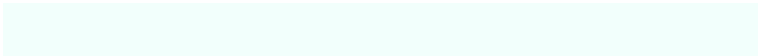
93.0218, 92.3200, 83.4960

# Sweetspot

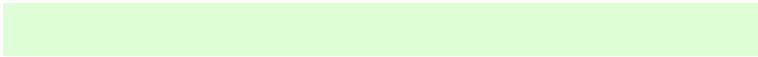
The Sweet Spot groups the original color and five complimentary colors.



79.8360, 92.3204, 100.8021



90.0771, 97.4868, 106.3878



77.9258, 91.8698, 76.5777



19.1360, 20.7933, 22.6966



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

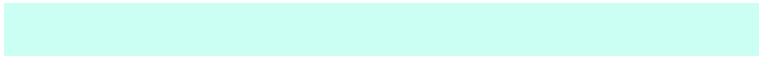


# Same Dimension

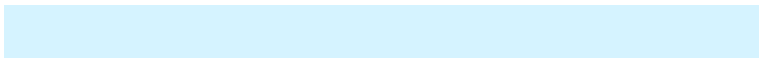
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8360, 92.3204, 100.8021



77.0021, 90.8935, 99.1320



77.5719, 85.5278, 107.0278



18.3784, 20.4109, 22.2956



24.2125, 39.5816, 35.3340



2.3970, 3.8697, 3.6486



# Inverse Universe

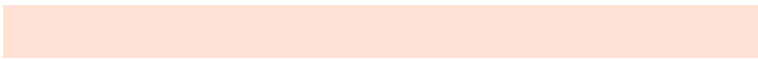
The Inverse Universe completely reimagines the original color for something new.



78.2196, 74.1234, 79.2920



75.0892, 69.3483, 73.6686



80.1491, 79.8613, 74.1426



18.1686, 18.0508, 19.5051



21.9486, 11.2687, 3.1139



2.1751, 1.1124, 0.5035



# Previews

## White Background



This preview shows how the XYZ color 79.8351, 92.3200, 100.8006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

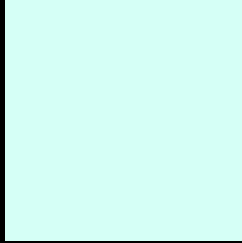
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8351, 92.3200, 100.8006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

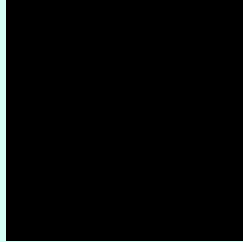
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.8351, 92.3200, 100.8006

## Background



This preview shows how black text looks on a background with the XYZ color 79.8351, 92.3200, 100.8006.



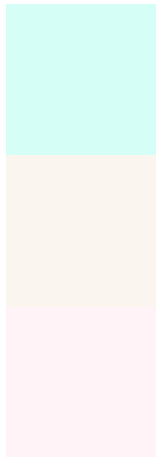
This preview shows how white text looks on a background with the XYZ color 79.8351, 92.3200,

100.8006.

# 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

79.8351, 92.3200, 100.8006

### Protanopia

88.1642, 92.1053, 95.5694

### Deuteranopia

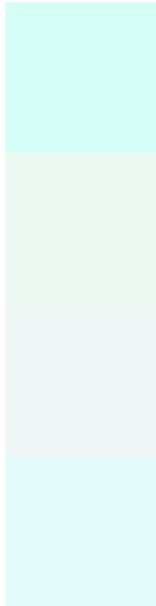
90.0791, 92.0766, 101.0206



## Tritanopia

86.2095, 92.1877, 107.8580

# Trichromacy



## Original Color

79.8351, 92.3200, 100.8006

## Protanomaly

84.8277, 92.1667, 97.3235

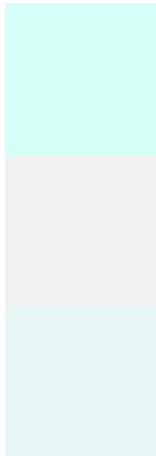
## Deuteranomaly

85.9844, 91.7622, 101.1757

## Tritanomaly

84.0628, 92.5166, 105.5224

# Monochromacy



## Original Color

79.8351, 92.3200, 100.8006

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.0884, 89.3715, 97.7179

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8351, 92.3200, 100.8006 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(213, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 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(213, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8351, 92.3200, 100.8006 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(213, 255, 246) }
```



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

```
.border{ border-color:rgb(213, 255, 246) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8351, 92.3200, 100.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 246) }
```

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

```
.background{ background-color: rgb(213,  
255, 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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