

# Converting Colors

XYZ(80.5868, 100.0000,  
108.3513)

Have a look what the booklet for  
XYZ(80.5868, 100.0000, 108.3513)  
contains.

|  |    |
|--|----|
| <b>XYZ(75.4819, 89.9493, 106.3121)</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(75.4819, 89.9493,  
106.3121)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | C1FFFD                       |
| RGB         | 193, 255, 253                |
| RGB Percent | 76%, 100%, 99%               |
| CMY         | 0.2431, 0.0000, 0.0078       |
| CMYK        | 0.24, 0.00, 0.01, 0.00       |
| HSL         | 178°, 100%, 88%              |
| HSV         | 178°, 24%, 100%              |
| XYZ         | 75.4819, 89.9493, 106.3121   |
| YIQ         | 236.2340, -36.3100, -13.7660 |

# Conversions

## Conversions Part 2

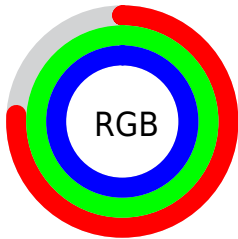
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 193, 225, 255                 |
| Decimal                             | 12713981                      |
| CIELab                              | 95.98, -19.63, -5.35          |
| CIElCh                              | 96, 20.345, 195.251           |
| Yxy                                 | 89.9493, 0.2778,<br>0.3310    |
| Android<br>(android.graphics.Color) | 4290904061<br>(0xFFC1FFFD)    |
| YUV                                 | 236.2340, 8.2656,<br>-37.9162 |
| Hunter-Lab                          | 94.8416, -23.9094,<br>-0.0716 |

# Details

The XYZ color **75.4819, 89.9493, 106.3121** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.1610, 63.3413, 60.1586**, and the grayscale version is **79.8665, 84.0257, 91.5040**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **40.6391, 49.7770, 59.6906** is the 20% darker color. If you saturate the color by 10%, you get **69.4020, 86.8300, 105.3469**, and if you desaturate by 10%, it is **82.6852, 93.6475, 107.3357**.

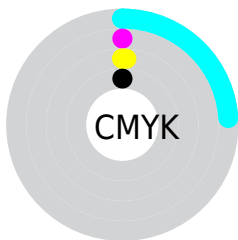
# Distribution



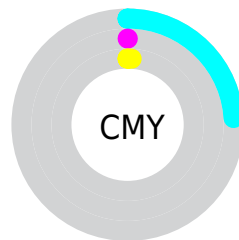
- Red (76%)
- Green (100%)
- Blue (99%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4819, 89.9493, 106.3121 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 75.4819, 89.9493, 106.3121 by changing the saturation by 10% instead.





 75.4819, 89.9493,  
106.3121

 75.4819, 89.9493,  
106.3121

468.5440,  
527.8659, 601.6645

 56.3033, 67.9386,  
80.9362

 125.9785,  
147.2680, 171.9320

 40.6841, 49.8478,  
59.9584


158.0273,  
183.3447, 213.0131

 28.2589, 35.2925,  
42.9600

195.0969,  
224.8789, 260.1664

 18.6624, 23.8883,  
29.5226


237.5526,  
272.2550, 313.8105

 11.5291, 15.2507,  
19.2275

285.7598,  
325.8574, 374.3637

 6.4938, 8.9956,  
11.6563

340.0839,

 3.1911, 4.7383,

386.0704, 442.2448

6.3904

400.8902,  
453.2784, 517.8722

■ 1.2556, 2.0945,  
3.0113

■ 0.1496, 0.6616,  
1.1004

■ 75.4819, 89.9493,  
106.3121

■ 75.4819, 89.9493,  
106.3121

■ 69.4020, 86.8300,  
105.3469

■ 82.6852, 93.6475,  
107.3357

■ 64.3849, 84.2587,  
104.4330

■ 91.0622, 97.9508,  
108.4158

■ 60.3690, 82.2034,  
103.5688

95.0500, 100.0000,  
108.9000

■ 57.2852, 80.6285,  
102.7512

■ 55.0555, 79.4939,  
101.9765

■ 53.5894, 78.7528,  
101.2405

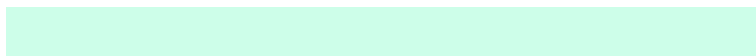
■ 52.7759, 78.3482,  
100.5379

■ 52.5147, 78.2219,  
100.1490

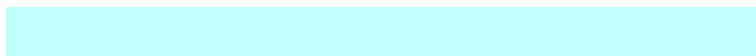
# Harmonies

## Analogous

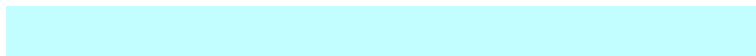
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4593, 89.9493, 90.2663



75.4819, 89.9493, 106.3121



78.1065, 89.9493, 121.6162

# Triad

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



75.4819, 89.9493, 106.3121



93.4045, 89.9493, 121.3947



88.2762, 89.9493, 70.9445

# Complementary

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



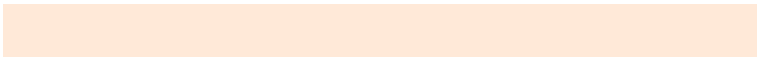
75.4819, 89.9493, 106.3121



70.1610, 63.3413, 60.1586

# 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.



93.3335, 89.9493, 77.5543



75.4819, 89.9493, 106.3121



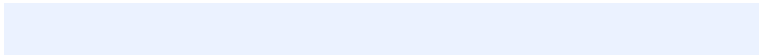
96.3813, 89.9493, 106.0356

# Square

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



75.4819, 89.9493, 106.3121



88.3697, 89.9493, 130.9522



96.3547, 89.9493, 90.0184

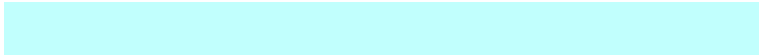


82.6816, 89.9493, 71.0011

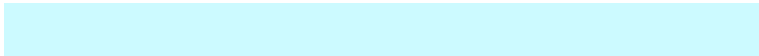


# Rectangle

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



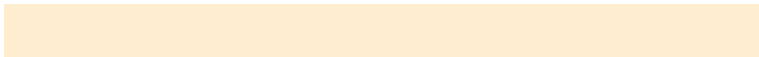
75.4819, 89.9493, 106.3121



81.0474, 89.9493, 128.8355



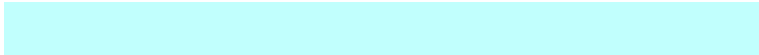
96.3547, 89.9493, 90.0184



90.1006, 89.9493, 72.4256

# Sweetspot

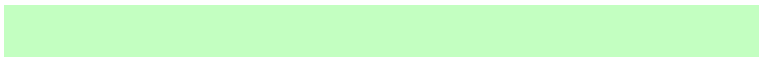
The Sweet Spot groups the original color and five complimentary colors.



75.4829, 89.9498, 106.3136



88.6927, 96.7334, 108.1197



67.9096, 86.9817, 63.6637



18.8725, 20.6477, 23.1280



0.0000, 0.0000, 0.0000

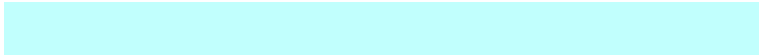


20.3446, 21.4041, 23.3091

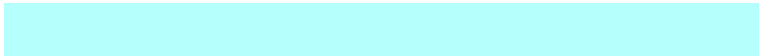


# Same Dimension

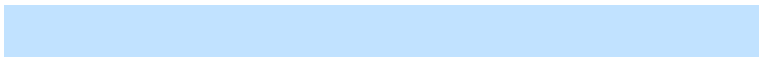
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4829, 89.9498, 106.3136



72.4963, 88.4172, 105.8538



67.2579, 72.9875, 105.1509



18.5281, 20.4708, 23.0838



27.4514, 40.8771, 52.3896



2.6805, 3.9831, 5.1412



# Inverse Universe

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



70.1610, 63.3413, 60.1586



66.3665, 57.7651, 52.6886



76.9699, 77.3183, 61.3209



18.0331, 17.9966, 18.7915



21.5826, 11.1223, 1.1863

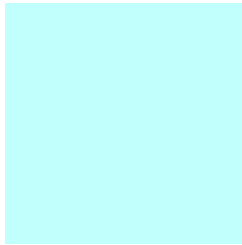


2.1094, 1.0861, 0.1575



# Previews

## White Background



This preview shows how the XYZ color 75.4819, 89.9493, 106.3121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

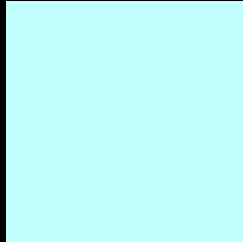
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4819, 89.9493, 106.3121 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

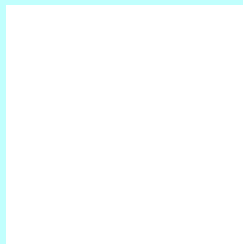
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.4819, 89.9493, 106.3121

## Background



This preview shows how black text looks on a background with the XYZ color 75.4819, 89.9493, 106.3121.



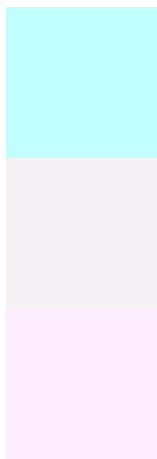
This preview shows how white text looks on a background with the XYZ color 75.4819, 89.9493,



# 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

75.4819, 89.9493, 106.3121

### Protanopia

85.9428, 89.0960, 99.0538

### Deuteranopia

89.5442, 89.5009, 105.4844



## **Tritanopia**

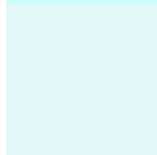
82.3698, 89.3003, 107.5031

# Trichromacy



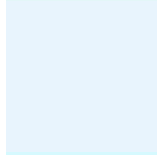
## Original Color

75.4819, 89.9493, 106.3121



## Protanomaly

81.5776, 89.0197, 101.6899



## Deuteranomaly

83.3590, 88.9490, 105.7039



## Tritanomaly

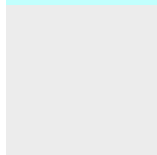
79.4966, 89.2033, 106.7940

# Monochromacy



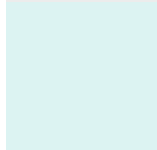
## Original Color

75.4819, 89.9493, 106.3121



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.5928, 85.7276, 96.4619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4819, 89.9493, 106.3121 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(193, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 253)  
}
```

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(193, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4819, 89.9493, 106.3121 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".

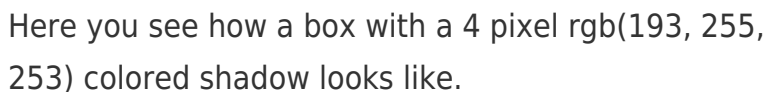
```
.border, #border, table{ border:4px solid rgb(193, 255, 253) }
```



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

```
.border{ border-color:rgb(193, 255, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4819, 89.9493, 106.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 253) }
```

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

```
.background{ background-color: rgb(193,  
255, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor