

# Converting Colors

XYZ(82.8491, 92.5948,  
118.8557)

Have a look what the booklet for  
XYZ(82.8491, 92.5948, 118.8557)  
contains.

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# Color

**XYZ(80.6159, 91.6167,  
108.0426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FDFF
RGB	213, 253, 255
RGB Percent	84%, 99%, 100%
CMY	0.1647, 0.0078, 0.0000
CMYK	0.16, 0.01, 0.00, 0.00
HSL	183°, 100%, 92%
HSV	183°, 16%, 100%
XYZ	80.6159, 91.6167, 108.0426
YIQ	241.2680, -24.4820, -7.8580

# Conversions

## Conversions Part 2

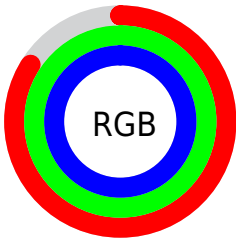
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 233, 255
Decimal	14024191
CIE Lab	96.66, -12.32, -5.24
CIE LCh	97, 13.391, 203.022
Yxy	91.6167, 0.2876, 0.3269
Android (android.graphics.Color)	4292214271 (0xFFD5FDFF)
YUV	241.2680, 6.7699, -24.7910
Hunter-Lab	95.7166, -17.1651, 0.0765

# Details

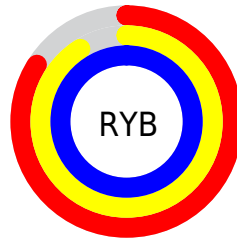
The XYZ color **80.6159, 91.6167, 108.0426** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5504, 74.6639, 73.2768**, and the grayscale version is **83.7844, 88.1477, 95.9928**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0335, 50.8262, 60.9157** is the 20% darker color. If you saturate the color by 10%, you get **73.4125, 87.3398, 107.5968**, and if you desaturate by 10%, it is **88.9895, 96.5053, 108.5449**.

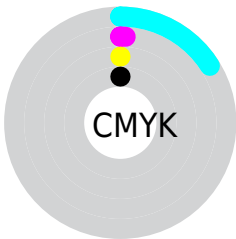
# Distribution



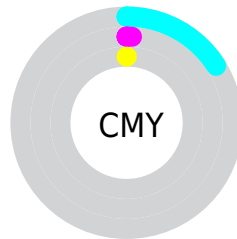
- Red (84%)
- Green (99%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6159, 91.6167, 108.0426 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 80.6159, 91.6167, 108.0426 by changing the saturation by 10% instead.



80.6159, 91.6167,  
108.0426

80.6159, 91.6167,  
108.0426

485.7110,  
533.2760, 607.1471

60.5355, 69.3223,  
82.3798

133.1773,  
149.5820, 174.3144

44.1015, 50.9742,  
61.1410

166.3890,  
186.0218, 215.7604

30.9486, 36.1881,  
43.9077

204.7085,  
227.9454, 263.3046

20.7113, 24.5795,  
30.2613

248.5013,  
275.7374, 317.3656

13.0244, 15.7641,  
19.7833

298.1325,  
329.7820, 378.3617

7.5225, 9.3573,  
12.0551

353.9677,

3.8402, 4.9750,

390.4637, 446.7117

6.6582

416.3720,  
458.1669, 522.8340

■ 1.6121, 2.2326,  
3.1741

■ 0.4003, 0.7377,  
1.1842

■ 80.6159, 91.6167,  
108.0426

■ 80.6159, 91.6167,  
108.0426

■ 73.4125, 87.3398,  
107.5968

■ 88.9895, 96.5053,  
108.5449

■ 67.3178, 83.6356,  
107.2030

95.0500, 100.0000,  
108.9000

■ 62.2758, 80.4777,  
106.8592

■ 58.2226, 77.8331,  
106.5624

■ 55.0873, 75.6653,  
106.3092

■ 52.7897, 73.9329,  
106.0959

■ 51.2358, 72.5874,  
105.9181

■ 50.3078, 71.5682,  
105.7703

■ 50.0670, 71.2540,  
105.7223

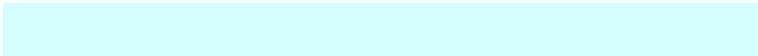
# Harmonies

## Analogous

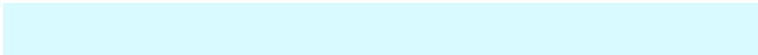
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1226, 91.6167, 97.2694



80.6159, 91.6167, 108.0426



82.8173, 91.6167, 117.1602

# Triad

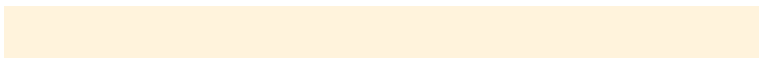
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6159, 91.6167, 108.0426



92.9613, 91.6167, 112.6862



87.9571, 91.6167, 80.6466

# Complementary

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



80.6159, 91.6167, 108.0426



77.5504, 74.6639, 73.2768

# 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.



91.4842, 91.6167, 84.1651



80.6159, 91.6167, 108.0426



94.4266, 91.6167, 102.2826

# Square

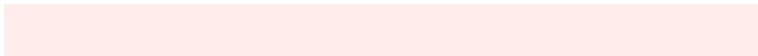
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



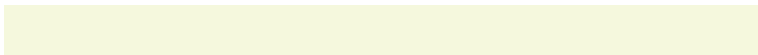
80.6159, 91.6167, 108.0426



89.9266, 91.6167, 119.9726



93.8785, 91.6167, 91.9025



84.2920, 91.6167, 81.9468

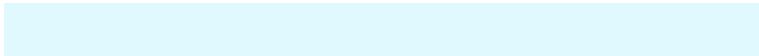


# Rectangle

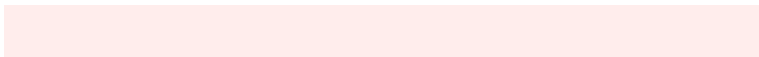
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6159, 91.6167, 108.0426



84.9923, 91.6167, 120.8158



93.8785, 91.6167, 91.9025



89.1994, 91.6167, 81.2961

# Sweetspot

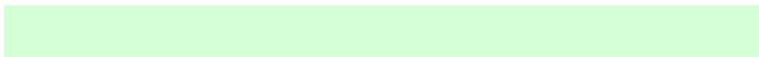
The Sweet Spot groups the original color and five complimentary colors.



80.6183, 91.6204, 108.0432



90.3209, 97.2757, 108.6234



75.3905, 90.5422, 77.3912



19.1954, 20.7418, 23.2418



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

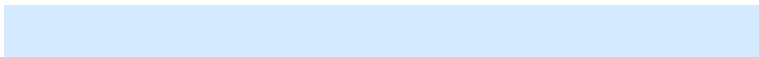
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6183, 91.6204, 108.0432



77.9439, 90.0415, 107.8794



74.5176, 79.4190, 106.0096



18.4766, 20.3248, 23.1992



26.1935, 37.2965, 55.2530



2.5723, 3.6752, 5.3871



# Inverse Universe

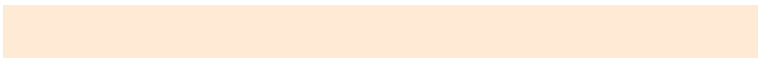
The Inverse Universe completely reimagines the original color for something new.



82.7654, 75.9421, 103.2289



80.4952, 71.5107, 102.1364



83.0739, 85.7109, 75.1180



18.7532, 18.2846, 22.5835



30.0094, 14.4931, 45.5617



2.9330, 1.4156, 4.4944



# Previews

## White Background



This preview shows how the XYZ color 80.6159, 91.6167, 108.0426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

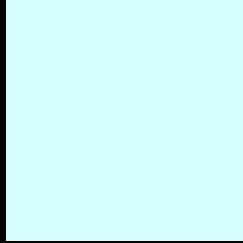
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.6159, 91.6167, 108.0426 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 80.6159, 91.6167, 108.0426

## Background



This preview shows how black text looks on a background with the XYZ color 80.6159, 91.6167, 108.0426.



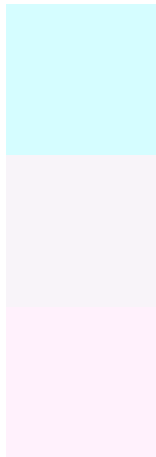
This preview shows how white text looks on a background with the XYZ color 80.6159, 91.6167,



# 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

80.6159, 91.6167, 108.0426

### Protanopia

88.1610, 91.4974, 102.6367

### Deuteranopia

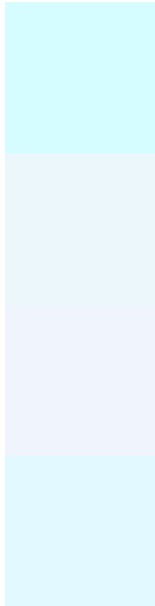
90.2660, 91.1989, 104.9411



## Tritanopia

85.2424, 91.2340, 107.7249

# Trichromacy



## Original Color

80.6159, 91.6167, 108.0426

## Protanomaly

84.9343, 91.1487, 104.3837

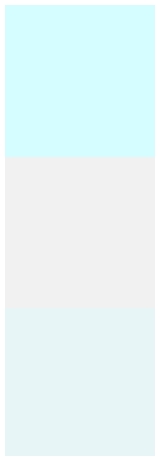
## Deuteranomaly

86.3172, 90.9219, 105.9288

## Tritanomaly

83.2897, 91.1401, 107.8097

# Monochromacy



## Original Color

80.6159, 91.6167, 108.0426

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.2420, 88.9476, 100.0228

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6159, 91.6167, 108.0426 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 253, 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(213, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6159, 91.6167, 108.0426 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, 253, 255) }
```



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

```
.border{ border-color:rgb(213, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(213, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6159, 91.6167, 108.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 253, 255) }
```

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

```
.background{ background-color: rgb(213,  
253, 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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