

# Converting Colors

XYZ(85.0799, 93.1275,  
133.8903)

Have a look what the booklet for  
XYZ(85.0799, 93.1275, 133.8903)  
contains.

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# Color

**XYZ(80.3267, 91.4676,  
108.0291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FDFF
RGB	212, 253, 255
RGB Percent	83%, 99%, 100%
CMY	0.1686, 0.0078, 0.0000
CMYK	0.17, 0.01, 0.00, 0.00
HSL	183°, 100%, 92%
HSV	183°, 17%, 100%
XYZ	80.3267, 91.4676, 108.0291
YIQ	240.9690, -25.0780, -8.0700

# Conversions

## Conversions Part 2

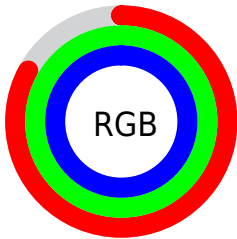
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 233, 255
Decimal	13958655
CIE Lab	96.60, -12.63, -5.33
CIE LCh	97, 13.708, 202.900
Yxy	91.4676, 0.2871, 0.3269
Android (android.graphics.Color)	4292148735 (0xFFD4FDFF)
YUV	240.9690, 6.9173, -25.4058
Hunter-Lab	95.6387, -17.4460, -0.0242

# Details

The XYZ color **80.3267, 91.4676, 108.0291** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1700, 74.1055, 72.5257**, and the grayscale version is **83.5482, 87.8992, 95.7223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8376, 50.7252, 60.9065** is the 20% darker color. If you saturate the color by 10%, you get **73.1766, 87.2313, 107.5882**, and if you desaturate by 10%, it is **88.6447, 96.3143, 108.5262**.

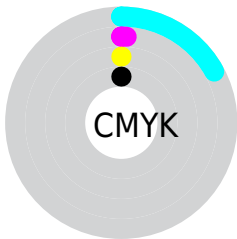
# Distribution



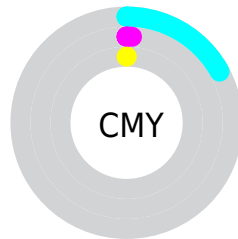
- Red (83%)
- Green (99%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3267, 91.4676, 108.0291 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 80.3267, 91.4676, 108.0291 by changing the saturation by 10% instead.



80.3267, 91.4676,  
108.0291

80.3267, 91.4676,  
108.0291

484.7529,  
532.7934, 607.1045

60.2966, 69.1985,  
82.3685

132.7731,  
149.3753, 174.2958

43.9081, 50.8734,  
61.1318

165.9201,  
185.7827, 215.7390

30.7959, 36.1079,  
43.9003

204.1701,  
227.6716, 263.2802

20.5945, 24.5175,  
30.2555

247.8885,  
275.4265, 317.3379

12.9387, 15.7180,  
19.7789

297.4406,  
329.4317, 378.3306

7.4631, 9.3248,  
12.0520

353.1918,

3.8022, 4.9536,

390.0717, 446.6769

6.6561

415.5075,  
457.7308, 522.7954

■ 1.5909, 2.2201,  
3.1728

■ 0.3865, 0.7309,  
1.1835

■ 80.3267, 91.4676,  
108.0291

■ 80.3267, 91.4676,  
108.0291

■ 73.1766, 87.2313,  
107.5882

■ 88.6447, 96.3143,  
108.5262

■ 67.1330, 83.5664,  
107.1994

95.0500, 100.0000,  
108.9000

■ 62.1395, 80.4463,  
106.8603

■ 58.1321, 77.8379,  
106.5681

■ 55.0395, 75.7045,  
106.3193

■ 52.7812, 74.0047,  
106.1102

■ 51.2623, 72.6894,  
105.9364

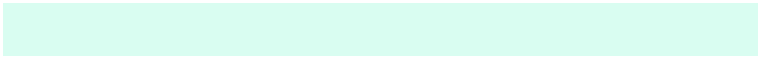
■ 50.3628, 71.6968,  
105.7922

■ 50.1513, 71.4225,  
105.7504

# Harmonies

## Analogous

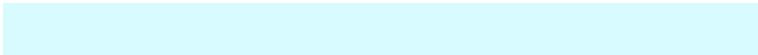
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8306, 91.4676, 97.0078



80.3267, 91.4676, 108.0291



82.5692, 91.4676, 117.3837

# Triad

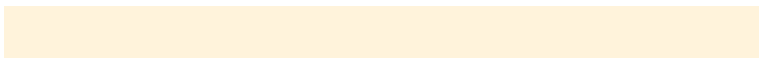
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3267, 91.4676, 108.0291



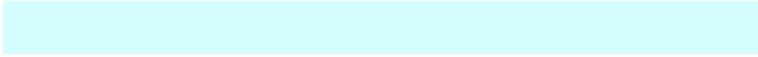
92.9456, 91.4676, 112.8676



87.8509, 91.4676, 80.0911

# Complementary

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



80.3267, 91.4676, 108.0291



77.1700, 74.1055, 72.5257

# 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.



91.4566, 91.4676, 83.6968



80.3267, 91.4676, 108.0291



94.4536, 91.4676, 102.2230

# Square

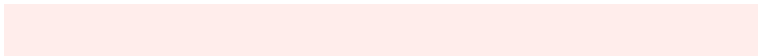
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3267, 91.4676, 108.0291



89.8351, 91.4676, 120.3173



93.9008, 91.4676, 91.6073



84.1023, 91.4676, 81.3960

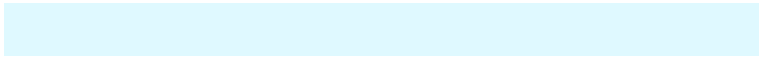


# Rectangle

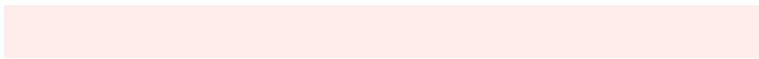
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3267, 91.4676, 108.0291



84.7892, 91.4676, 121.1472



93.9008, 91.4676, 91.6073



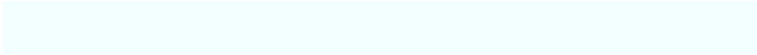
89.1212, 91.4676, 80.7595

# Sweetspot

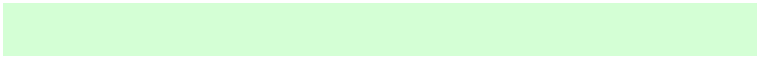
The Sweet Spot groups the original color and five complimentary colors.



80.3291, 91.4713, 108.0297



90.3254, 97.2847, 108.6249



74.9778, 90.3437, 76.7277



19.1965, 20.7440, 23.2422



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

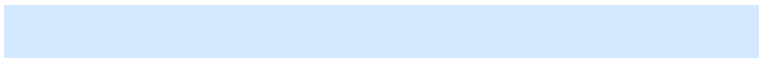
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3291, 91.4713, 108.0297



77.9616, 90.0770, 107.8853



74.0780, 78.9690, 105.9460



18.4784, 20.3284, 23.1998



26.2368, 37.3831, 55.2674



2.5760, 3.6827, 5.3883



# Inverse Universe

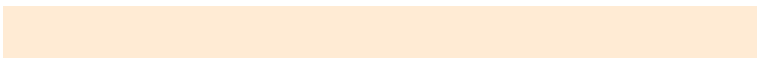
The Inverse Universe completely reimagines the original color for something new.



82.5146, 75.4405, 103.1453



80.5042, 71.5143, 102.1836



82.8136, 85.3928, 74.4069



18.7541, 18.2850, 22.5883



30.0313, 14.5018, 45.6768



2.9348, 1.4163, 4.5043



# Previews

## White Background



This preview shows how the XYZ color 80.3267, 91.4676, 108.0291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

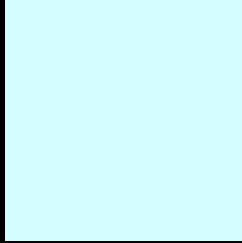
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3267, 91.4676, 108.0291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

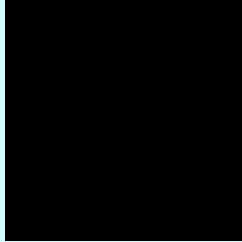
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

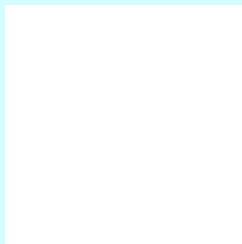
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.3267, 91.4676, 108.0291

## Background



This preview shows how black text looks on a background with the XYZ color 80.3267, 91.4676, 108.0291.



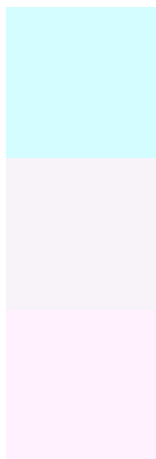
This preview shows how white text looks on a background with the XYZ color 80.3267, 91.4676,



# 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

80.3267, 91.4676, 108.0291

### Protanopia

87.8609, 90.8972, 102.5367

### Deuteranopia

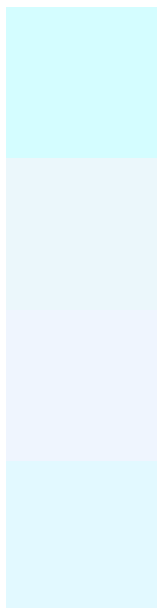
90.4249, 91.2624, 105.7780



## **Tritanopia**

85.2424, 91.2340, 107.7249

# Trichromacy



## Original Color

80.3267, 91.4676, 108.0291

## Protanomaly

84.9343, 91.1487, 104.3837

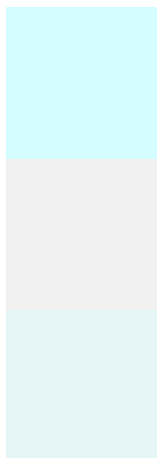
## Deuteranomaly

86.1384, 90.8113, 106.7543

## Tritanomaly

83.2897, 91.1401, 107.8097

# Monochromacy



## Original Color

80.3267, 91.4676, 108.0291

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

81.9201, 88.7816, 100.0077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3267, 91.4676, 108.0291 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(212, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3267, 91.4676, 108.0291 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(212, 253, 255) }
```



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

```
.border{ border-color:rgb(212, 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(212, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3267, 91.4676, 108.0291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 253, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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