

# Converting Colors

XYZ(83.7476, 92.8196,  
105.5984)

Have a look what the booklet for  
XYZ(83.7476, 92.8196, 105.5984)  
contains.

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# **Color**

**XYZ(83.7451, 92.8178,  
105.5973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FCFC
RGB	226, 252, 252
RGB Percent	89%, 99%, 99%
CMY	0.1137, 0.0117, 0.0118
CMYK	0.10, 0.00, 0.00, 0.01
HSL	180°, 81%, 94%
HSV	180°, 10%, 99%
XYZ	83.7451, 92.8178, 105.5973
YIQ	244.2260, -15.4960, -5.5120

# Conversions

## Conversions Part 2

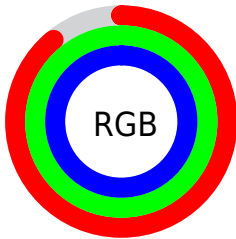
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 239, 252
Decimal	14875900
CIE Lab	97.15, -8.39, -2.88
CIE LCh	97, 8.870, 198.914
Yxy	92.8178, 0.2968, 0.3290
Android (android.graphics.Color)	4293065980 (0xFFE2FCFC)
YUV	244.2260, 3.8326, -15.9842
Hunter-Lab	96.3420, -13.4377, 2.4536

# Details

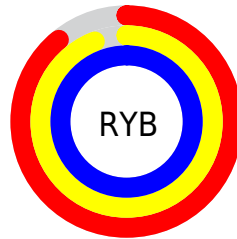
The XYZ color **83.7451, 92.8178, 105.5973** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.0720, 80.5816, 83.2365**, and the grayscale version is **86.1513, 90.6379, 98.7047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9430, 51.5164, 59.1520** is the 20% darker color. If you saturate the color by 10%, you get **76.4166, 89.0424, 105.2534**, and if you desaturate by 10%, it is **92.2403, 97.1997, 105.9997**.

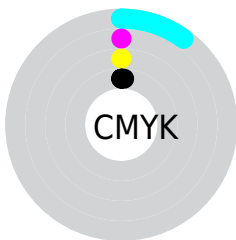
# Distribution



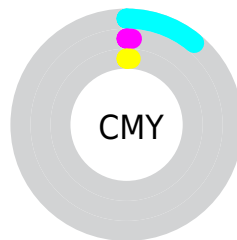
- Red (89%)
- Green (99%)
- Blue (99%)



- Red (89%)
- Yellow (94%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (11%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7451, 92.8178, 105.5973 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 83.7451, 92.8178, 105.5973 by changing the saturation by 10% instead.




 83.7451, 92.8178,  
105.5973

 83.7451, 92.8178,  
105.5973


496.0128,  
537.1550, 599.3922

 63.1240, 70.3201,  
80.3404


137.5417,  
151.2463, 170.9468

 46.2006, 51.7875,  
59.4707


171.4478,  
187.9459, 211.8766

 32.6094, 36.8357,  
42.5696


210.5131,  
230.1483, 258.8676

 21.9852, 25.0803,  
29.2187

255.1028,  
278.2378, 312.3386

 13.9626, 16.1369,  
18.9993

305.5822,  
332.5988, 372.7080

 8.1762, 9.6211,  
11.4930

362.3168,

 4.2606, 5.1485,

393.6158, 440.3944

6.2811

425.6719,  
461.6730, 515.8163

■ 1.8506, 2.3346,  
2.9452

■ 0.5479, 0.7919,  
1.0667

■ 83.7451, 92.8178,  
105.5973

■ 83.7451, 92.8178,  
105.5973

■ 76.4166, 89.0424,  
105.2534

■ 92.2403, 97.1997,  
105.9997

■ 70.1964, 85.8358,  
104.9594


■ 93.6242, 97.9130,  
106.0674


■ 65.0329, 83.1740,  
104.7148


■ 93.6247, 97.9133,  
106.0703


■ 60.8675, 81.0267,  
104.5170


■ 93.6253, 97.9135,  
106.0732


 57.6358, 79.3608,  
104.3629

 93.6259, 97.9137,  
106.0761


 55.2657, 78.1390,  
104.2490


 93.6264, 97.9139,  
106.0791


 53.6749, 77.3190,  
104.1717

 93.6270, 97.9142,  
106.0820

 52.7649, 76.8499,  
104.1262

 93.6275, 97.9144,  
106.0849

 52.3781, 76.6506,  
104.1053

 93.6281, 97.9146,  
106.0878

# Harmonies

## Analogous

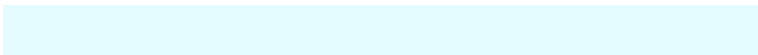
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5809, 92.8178, 98.4354



83.7451, 92.8178, 105.5973



85.0950, 92.8178, 111.8128

# Triad

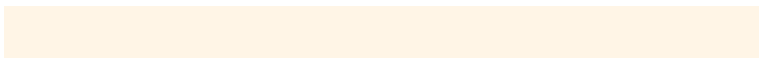
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7451, 92.8178, 105.5973



91.8983, 92.8178, 110.3953



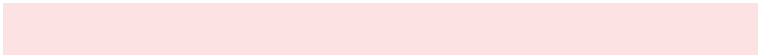
89.1493, 92.8178, 88.1299

# Complementary

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



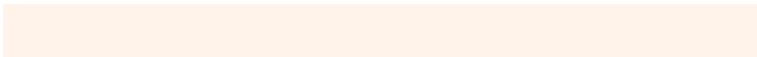
83.7451, 92.8178, 105.5973



81.0720, 80.5816, 83.2365

# 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.



91.4217, 92.8178, 91.0249



83.7451, 92.8178, 105.5973



93.0287, 92.8178, 103.7366

# Square

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



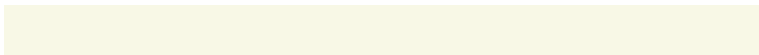
83.7451, 92.8178, 105.5973



89.7900, 92.8178, 114.6721



92.8526, 92.8178, 96.6600



86.6695, 92.8178, 88.5753

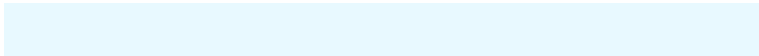


# Rectangle

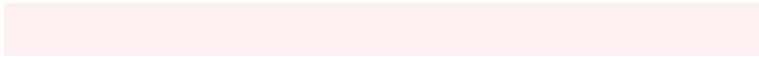
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



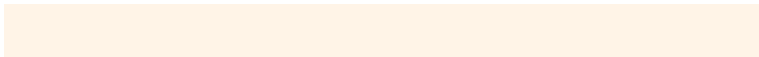
83.7451, 92.8178, 105.5973



86.5002, 92.8178, 114.4778



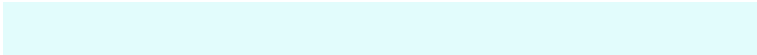
92.8526, 92.8178, 96.6600



89.9635, 92.8178, 88.7390

# Sweetspot

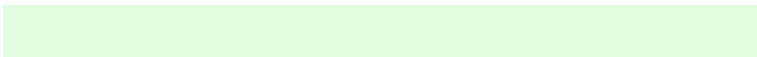
The Sweet Spot groups the original color and five complimentary colors.



83.7478, 92.8217, 105.5994



92.2912, 98.5778, 108.7700



80.0406, 91.3546, 85.3676



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000

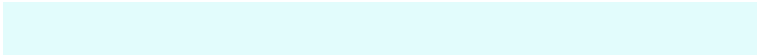


20.3446, 21.4041, 23.3091



# Same Dimension

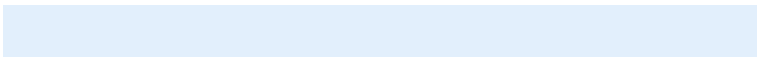
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7478, 92.8217, 105.5994



84.6739, 94.6510, 108.4108



79.9309, 85.1870, 104.3299



17.7658, 19.6086, 22.2332



27.2831, 39.9262, 54.2272

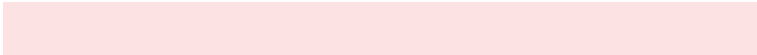


2.5269, 3.6979, 5.0225



# Inverse Universe

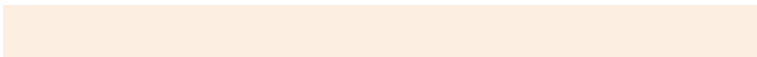
The Inverse Universe completely reimagines the original color for something new.



81.0720, 80.5816, 83.2365



81.5127, 80.1904, 81.9909



84.6155, 87.6693, 84.4152



17.2448, 17.2253, 17.8788



20.9121, 10.7805, 0.9794

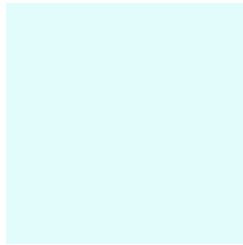


1.9369, 0.9985, 0.0909



# Previews

## White Background



This preview shows how the XYZ color 83.7451, 92.8178, 105.5973 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

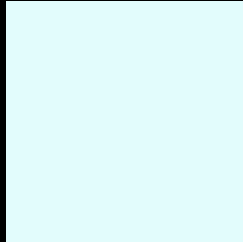
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7451, 92.8178, 105.5973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

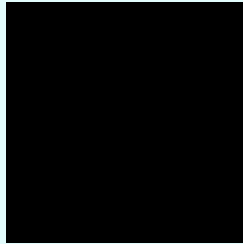
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.7451, 92.8178, 105.5973

## Background



This preview shows how black text looks on a background with the XYZ color 83.7451, 92.8178, 105.5973.



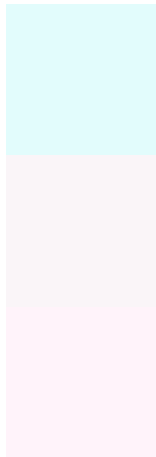
This preview shows how white text looks on a background with the XYZ color 83.7451, 92.8178,



# 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

83.7451, 92.8178, 105.5973

### Protanopia

89.0200, 92.4061, 101.9512

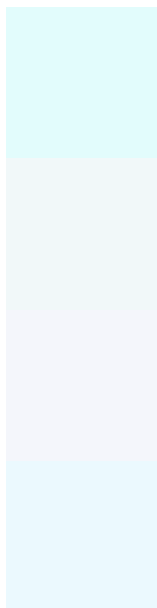
### Deuteranopia

90.5459, 92.2633, 103.4788

## **Tritanopia**

87.5526, 92.8801, 107.9209

# Trichromacy



## Original Color

83.7451, 92.8178, 105.5973

## Protanomaly

86.9419, 92.6751, 102.9283

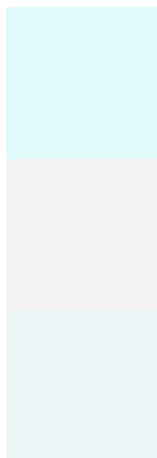
## Deuteranomaly

87.6766, 92.1097, 104.4247

## Tritanomaly

86.0260, 92.5693, 107.0995

# Monochromacy



## Original Color

83.7451, 92.8178, 105.5973

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.9743, 91.2415, 101.1284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7451, 92.8178, 105.5973 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(226, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(226, 252, 252)  
}
```

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(226, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 252, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7451, 92.8178, 105.5973 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(226, 252, 252) }
```



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

```
.border{ border-color:rgb(226, 252, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(226, 252,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7451, 92.8178, 105.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 252, 252) }
```

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

```
.background{ background-color: rgb(226,  
252, 252) }
```

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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