

# Converting Colors

XYZ(83.4111, 98.6511, 90.4654)

Have a look what the booklet for  
XYZ(83.4111, 98.6511, 90.4654)  
contains.

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# Color

**XYZ(80.6152, 92.9775,  
89.2989)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFFFE7
RGB	223, 255, 231
RGB Percent	87%, 100%, 91%
CMY	0.1255, 0.0000, 0.0941
CMYK	0.13, 0.00, 0.09, 0.00
HSL	135°, 100%, 94%
HSV	135°, 13%, 100%
XYZ	80.6152, 92.9775, 89.2989
YIQ	242.6960, -11.3680, -14.2480

# Conversions

## Conversions Part 2

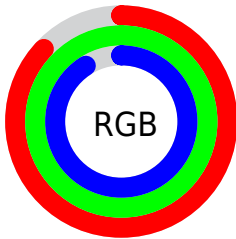
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	223, 249, 255
Decimal	14680039
CIE <sub>Lab</sub>	97.22, -14.72, 8.00
CIE <sub>LCh</sub>	97, 16.750, 151.487
Y <sub>xy</sub>	92.9775, 0.3066, 0.3537
Android (android.graphics.Color)	4292870119 (0xFFDFFFEE7)
YUV	242.6960, -5.7661, -17.2734
Hunter-Lab	96.4248, -19.5100, 12.5890

# Details

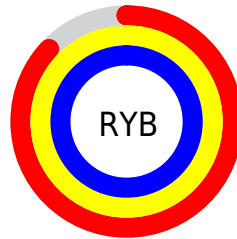
The XYZ color **80.6152, 92.9775, 89.2989** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.4165, 80.7515, 99.1327**, and the grayscale version is **85.0001, 89.4268, 97.3858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0804, 51.8081, 48.2341** is the 20% darker color. If you saturate the color by 10%, you get **70.7857, 88.2054, 75.5010**, and if you desaturate by 10%, it is **91.9246, 98.4783, 104.7096**.

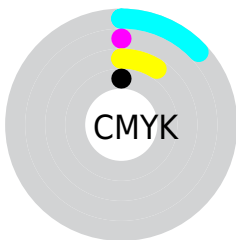
# Distribution



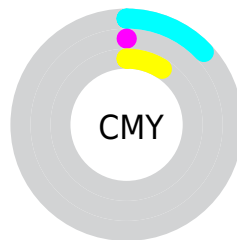
- Red (87%)
- Green (100%)
- Blue (91%)



- Red (87%)
- Yellow (98%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6152, 92.9775, 89.2989 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 80.6152, 92.9775, 89.2989 by changing the saturation by 10% instead.



80.6152, 92.9775,  
89.2989

80.6152, 92.9775,  
89.2989

485.7087,  
537.6697, 546.2587

60.5349, 70.4528,  
66.8289

133.1763,  
151.4675, 148.2911

44.1011, 51.8958,  
48.4848

166.3879,  
188.2015, 185.6504

30.9482, 36.9220,  
33.8483

204.7072,  
230.4408, 228.8099

20.7111, 25.1471,  
22.5007

248.4998,  
278.5697, 278.1881

13.0242, 16.1867,  
14.0234

298.1308,  
332.9727, 334.2035

7.5223, 9.6564,  
7.9980

353.9658,

3.8401, 5.1717,

394.0341, 397.2747

4.0059

416.3699,  
462.1383, 467.8203

■ 1.6121, 2.3484,  
1.6286

■ 0.4003, 0.7991,  
0.3111

■ 80.6152, 92.9775,  
89.2989

■ 80.6152, 92.9775,  
89.2989

■ 70.7857, 88.2054,  
75.5010

■ 91.9246, 98.4783,  
104.7096

■ 62.3717, 84.1301,  
63.2593

95.0500, 100.0000,  
108.9000

■ 55.3073, 80.7186,  
52.5202

■ 49.5202, 77.9350,  
43.2256

■ 44.9316, 75.7398,  
35.3134

■ 41.4532, 74.0891,  
28.7169

■ 38.9842, 72.9322,  
23.3641

■ 37.4040, 72.2086,  
19.1753

■ 36.6785, 71.8874,  
16.7567

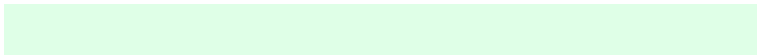
# Harmonies

## Analogous

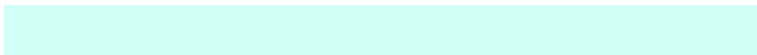
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7043, 92.9775, 80.5997



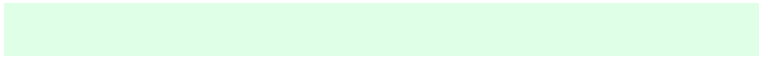
80.6152, 92.9775, 89.2989



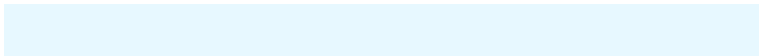
79.5843, 92.9775, 101.9142

# Triad

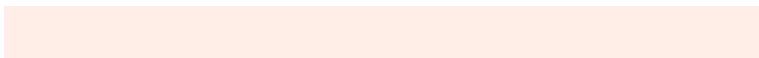
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6152, 92.9775, 89.2989



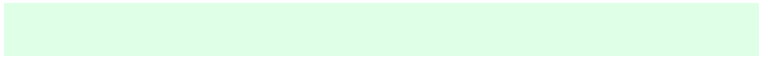
88.6086, 92.9775, 129.5870



96.3615, 92.9775, 88.2262

# Complementary

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



80.6152, 92.9775, 89.2989



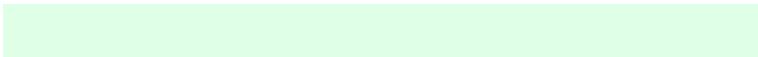
84.4165, 80.7515, 99.1327

# 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.



97.7845, 92.9775, 100.5621



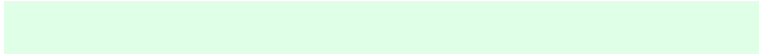
80.6152, 92.9775, 89.2989



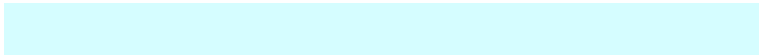
93.2107, 92.9775, 125.1260

# Square

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



80.6152, 92.9775, 89.2989



84.0993, 92.9775, 125.9062



96.6118, 92.9775, 114.1936

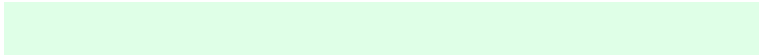


92.7877, 92.9775, 80.0204



# Rectangle

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



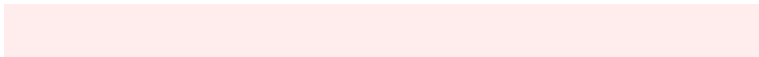
80.6152, 92.9775, 89.2989



80.1727, 92.9775, 111.0854



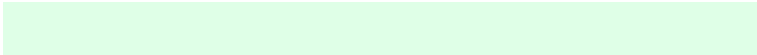
96.6118, 92.9775, 114.1936



97.1128, 92.9775, 91.9880

# Sweetspot

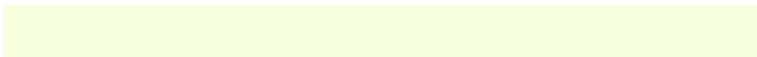
The Sweet Spot groups the original color and five complimentary colors.



80.6160, 92.9778, 89.3003



90.1891, 97.6336, 102.3710



87.4374, 96.6220, 83.8546



19.1144, 20.8052, 21.6551



0.0000, 0.0000, 0.0000

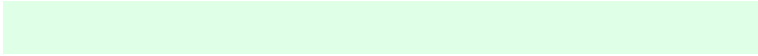


20.3446, 21.4041, 23.3091

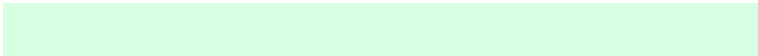


# Same Dimension

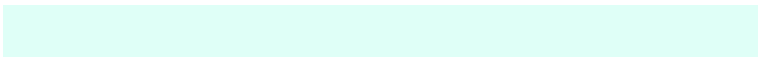
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6160, 92.9778, 89.3003



78.0715, 91.7416, 85.7703



82.9805, 93.9236, 101.7515



17.9578, 20.2427, 20.0809



19.2151, 37.5826, 9.0180



1.9124, 3.6759, 1.0966



# Inverse Universe

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



84.4165, 80.7515, 99.1327



82.5366, 77.3762, 97.3210



82.0520, 79.8057, 86.6816



18.5872, 18.2182, 21.7093



26.5396, 13.1051, 27.2895



2.6277, 1.2935, 2.8871



# Previews

## White Background



This preview shows how the XYZ color 80.6152, 92.9775, 89.2989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

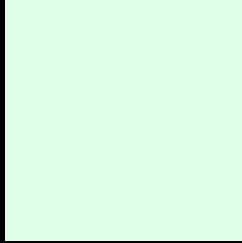
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.6152, 92.9775, 89.2989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

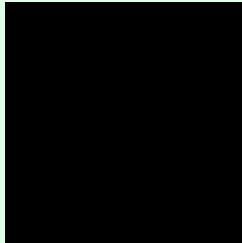
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

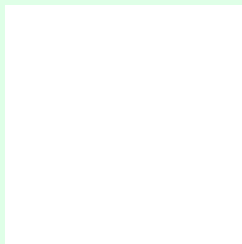
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.6152, 92.9775, 89.2989**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.6152, 92.9775, 89.2989.



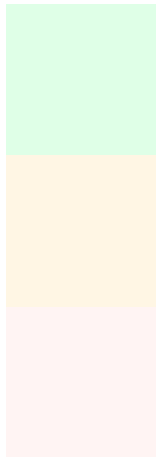
This preview shows how white text looks on a background with the XYZ color 80.6152, 92.9775,

89.2989.

# 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

80.6152, 92.9775, 89.2989

### Protanopia

88.1994, 92.7730, 86.6572

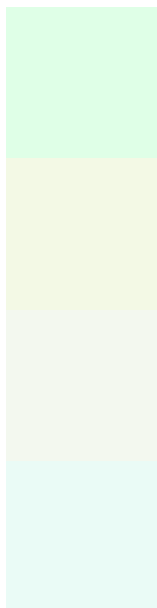
### Deuteranopia

89.7683, 92.4324, 97.9040

## Tritanopia

87.8930, 93.0556, 107.9368

# Trichromacy



## Original Color

80.6152, 92.9775, 89.2989

## Protanomaly

84.9807, 92.4632, 87.4970

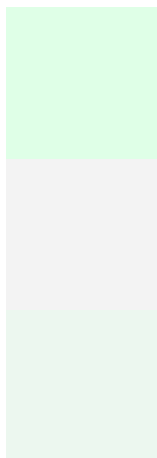
## Deuteranomaly

86.1095, 92.4215, 94.9620

## Tritanomaly

85.0634, 93.1406, 100.6834

# Monochromacy



## Original Color

80.6152, 92.9775, 89.2989

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

83.4328, 90.5864, 94.7489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6152, 92.9775, 89.2989 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(223, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 231)  
}
```

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(223, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6152, 92.9775, 89.2989 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(223, 255, 231) }
```



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

```
.border{ border-color:rgb(223, 255, 231) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6152, 92.9775, 89.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 231) }
```

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

```
.background{ background-color: rgb(223,  
255, 231) }
```

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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