

# Converting Colors

XYZ(129.8258, 197.8256,  
107.9338)

Have a look what the booklet for  
XYZ(129.8258, 197.8256, 107.9338)  
contains.

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# Color

**XYZ(76.3379, 90.7561,  
89.8382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFE8
RGB	208, 255, 232
RGB Percent	82%, 100%, 91%
CMY	0.1843, 0.0000, 0.0902
CMYK	0.18, 0.00, 0.09, 0.00
HSL	151°, 100%, 91%
HSV	151°, 18%, 100%
XYZ	76.3379, 90.7561, 89.8382
YIQ	238.3250, -20.6290, -17.1170

# Conversions

## Conversions Part 2

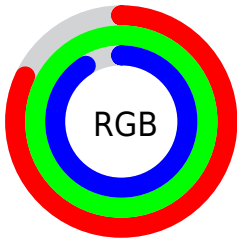
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 239, 255
Decimal	13697000
CIE <sub>Lab</sub>	96.31, -19.32, 6.05
CIE <sub>LCh</sub>	96, 20.249, 162.608
Yxy	90.7561, 0.2971, 0.3532
Android (android.graphics.Color)	4291887080 (0xFFD0FFE8)
YUV	238.3250, -3.1182, -26.5950
Hunter-Lab	95.2660, -23.6811, 10.7743

# Details

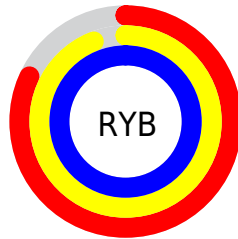
The XYZ color **76.3379, 90.7561, 89.8382** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2201, 72.1422, 85.4034**, and the grayscale version is **81.5543, 85.8015, 93.4378**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1674, 50.2951, 48.6125** is the 20% darker color. If you saturate the color by 10%, you get **68.0254, 86.6684, 80.5233**, and if you desaturate by 10%, it is **85.9305, 95.4891, 99.8729**.

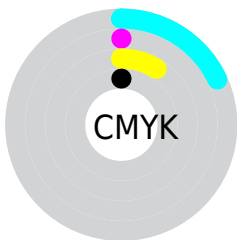
# Distribution



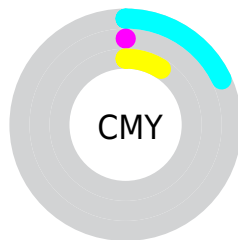
- Red (82%)
- Green (100%)
- Blue (91%)



- Red (82%)
- Yellow (94%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3379, 90.7561, 89.8382 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 76.3379, 90.7561, 89.8382 by changing the saturation by 10% instead.



76.3379, 90.7561,  
89.8382

76.3379, 90.7561,  
89.8382

471.4302,  
530.4874, 548.0609

57.0077, 68.6079,  
67.2735

127.1822,  
148.3882, 149.0472

41.2515, 50.3925,  
48.8439

159.4271,  
184.6409, 186.5285

28.7042, 35.7253,  
34.1310

196.7074,  
226.3639, 229.8192

19.0003, 24.2221,  
22.7161

239.3887,  
273.9417, 279.3377

11.7745, 15.4985,  
14.1807

287.8363,  
327.7585, 335.5026

6.6614, 9.1700,  
8.1062

342.4155,

3.2957, 4.8522,

388.1987, 398.7324

4.0743

403.4917,  
455.6469, 469.4456

■ 1.3120, 2.1608,  
1.6662

■ 0.1922, 0.6985,  
0.3374

■ 76.3379, 90.7561,  
89.8382

■ 76.3379, 90.7561,  
89.8382

■ 68.0254, 86.6684,  
80.5233

■ 85.9305, 95.4891,  
99.8729

■ 60.9331, 83.1955,  
71.9076

95.0500, 100.0000,  
108.9000

■ 54.9995, 80.3061,  
63.9755

■ 50.1568, 77.9654,  
56.7096

■ 46.3298, 76.1350,  
50.0913

■ 43.4328, 74.7711,  
44.1010

■ 41.3652, 73.8223,  
38.7177

■ 39.9870, 73.2166,  
33.9179

■ 39.8039, 73.1376,  
33.2151

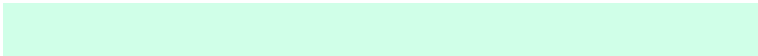
# Harmonies

## Analogous

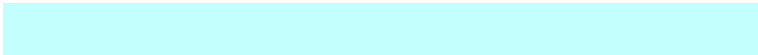
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1383, 90.7561, 77.7121



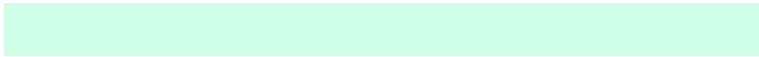
76.3379, 90.7561, 89.8382



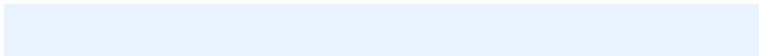
76.1226, 90.7561, 105.7407

# Triad

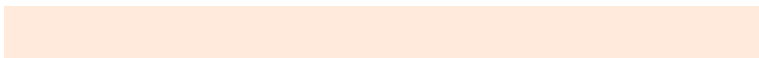
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3379, 90.7561, 89.8382



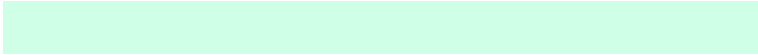
88.6455, 90.7561, 132.2642



94.4758, 90.7561, 79.2813

# Complementary

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



76.3379, 90.7561, 89.8382



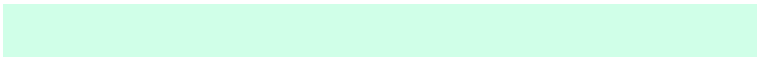
78.2201, 72.1422, 85.4034

# 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.



97.2618, 90.7561, 92.2042



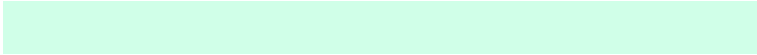
76.3379, 90.7561, 89.8382



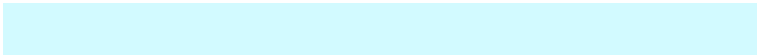
93.7986, 90.7561, 123.4361

# Square

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



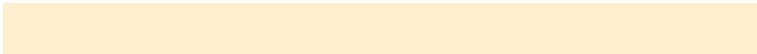
76.3379, 90.7561, 89.8382



83.0657, 90.7561, 131.4525



97.0087, 90.7561, 108.3770

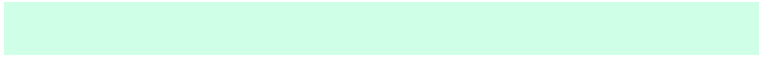


89.5371, 90.7561, 72.0880



# Rectangle

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



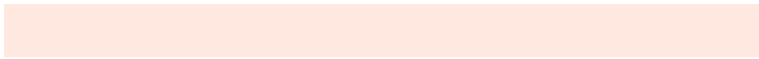
76.3379, 90.7561, 89.8382



77.4600, 90.7561, 116.4835



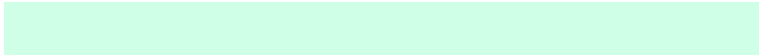
97.0087, 90.7561, 108.3770



95.7045, 90.7561, 83.0354

# Sweetspot

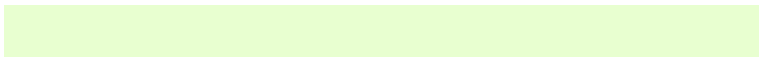
The Sweet Spot groups the original color and five complimentary colors.



76.3387, 90.7565, 89.8397



88.4612, 96.7399, 102.4217



80.2623, 93.1466, 73.4245



18.7871, 20.6335, 21.7749



0.0000, 0.0000, 0.0000

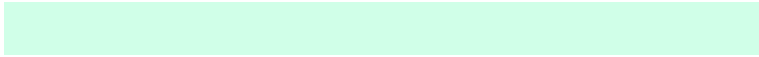


20.3446, 21.4041, 23.3091

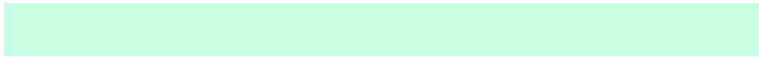


# Same Dimension

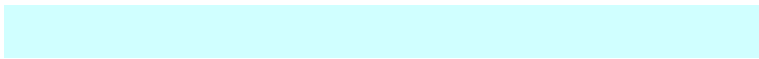
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3387, 90.7565, 89.8397



73.2276, 89.2248, 86.4329



79.8230, 92.1502, 108.1874



18.1587, 20.3230, 21.1388



20.8741, 38.2462, 17.7543



2.0876, 3.7460, 2.0194



# Inverse Universe

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



78.2201, 72.1422, 85.4034



75.4163, 67.5712, 81.2727



75.1817, 70.9268, 69.4035



18.3798, 18.1352, 20.6174



23.5506, 11.9096, 11.5501

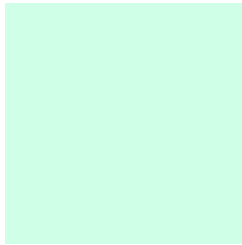


2.3480, 1.1816, 1.4142



# Previews

## White Background



This preview shows how the XYZ color 76.3379, 90.7561, 89.8382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

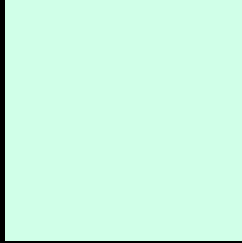
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3379, 90.7561, 89.8382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

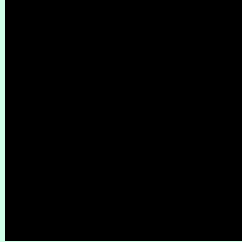
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

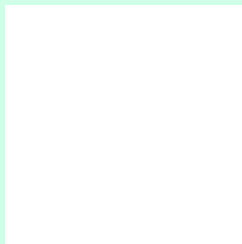
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.3379, 90.7561, 89.8382

## Background



This preview shows how black text looks on a background with the XYZ color 76.3379, 90.7561, 89.8382.



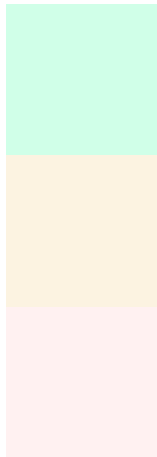
This preview shows how white text looks on a background with the XYZ color 76.3379, 90.7561,

89.8382.

# 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

76.3379, 90.7561, 89.8382

### Protanopia

85.7861, 90.2329, 84.1294

### Deuteranopia

88.5725, 90.5215, 96.0232



## **Tritanopia**

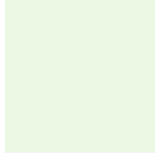
84.2845, 90.2873, 107.5927

# Trichromacy



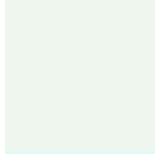
## Original Color

76.3379, 90.7561, 89.8382



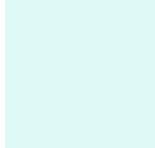
## Protanomaly

81.8564, 89.9558, 86.4477



## Deuteranomaly

83.6483, 90.2617, 93.9024



## Tritanomaly

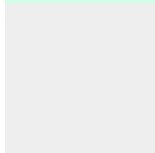
81.0956, 90.1547, 101.1231

# Monochromacy



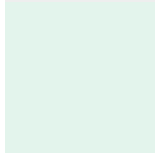
## Original Color

76.3379, 90.7561, 89.8382



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.1696, 87.0884, 91.9939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3379, 90.7561, 89.8382 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(208, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 232)  
}
```

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(208, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3379, 90.7561, 89.8382 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(208, 255, 232) }
```



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

```
.border{ border-color:rgb(208, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3379, 90.7561, 89.8382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 232) }
```

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

```
.background{ background-color: rgb(208,  
255, 232) }
```

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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