

# Converting Colors

XYZ(81.1568, 100.0000,  
92.5745)

Have a look what the booklet for  
XYZ(81.1568, 100.0000, 92.5745)  
contains.

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# Color

**XYZ(76.6237, 90.8704,  
91.3431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFEA
RGB	208, 255, 234
RGB Percent	82%, 100%, 92%
CMY	0.1843, 0.0000, 0.0823
CMYK	0.18, 0.00, 0.08, 0.00
HSL	153°, 100%, 91%
HSV	153°, 18%, 100%
XYZ	76.6237, 90.8704, 91.3431
YIQ	238.5530, -21.2710, -16.4950

# Conversions

## Conversions Part 2

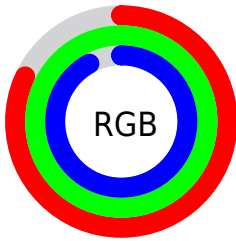
Format	Color
<a href="#">RYB</a>	<a href="#">208, 238, 255</a>
Decimal	<a href="#">13697002</a>
CIELab	<a href="#">96.36, -18.95, 5.09</a>
CIELCh	<a href="#">96, 19.620, 164.957</a>
Yxy	<a href="#">90.8704, 0.2960, 0.3511</a>
Android (android.graphics.Color)	<a href="#">4291887082</a> ( <a href="#">0xFFD0FFEA</a> )
YUV	<a href="#">238.5530, -2.2446, -26.7950</a>
Hunter-Lab	<a href="#">95.3260, -23.3409, 9.9154</a>

# Details

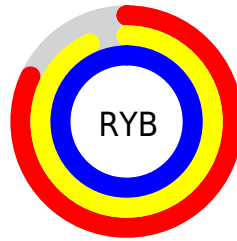
The XYZ color **76.6237, 90.8704, 91.3431** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.9393, 72.0299, 83.9242**, and the grayscale version is **81.7250, 85.9811, 93.6334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3668, 50.3748, 49.6625** is the 20% darker color. If you saturate the color by 10%, you get **68.4368, 86.8330, 82.6892**, and if you desaturate by 10%, it is **86.0702, 95.5450, 100.6083**.

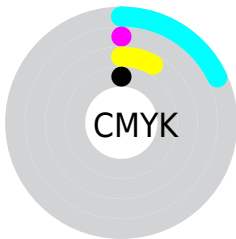
# Distribution



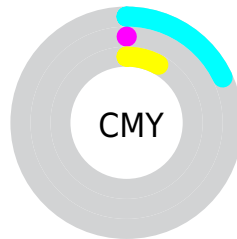
- Red (82%)
- Green (100%)
- Blue (92%)



- Red (82%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6237, 90.8704, 91.3431 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 76.6237, 90.8704, 91.3431 by changing the saturation by 10% instead.



76.6237, 90.8704,  
91.3431

76.6237, 90.8704,  
91.3431

472.3917,  
530.8582, 553.0727

57.2429, 68.7028,  
68.5152

127.5838,  
148.5468, 151.1544

41.4412, 50.4697,  
49.8477

159.8939,  
184.8244, 188.9748

28.8532, 35.7867,  
34.9220

197.2444,  
226.5741, 232.6299

19.1135, 24.2695,  
23.3198

240.0008,  
274.1803, 282.5380

11.8568, 15.5337,  
14.6223

288.5284,  
328.0275, 339.1179

6.7178, 9.1948,  
8.4111

343.1925,

3.3310, 4.8685,

388.4999, 402.7879

4.2676

404.3585,  
455.9820, 473.9667

■ 1.3311, 2.1703,  
1.7732

■ 0.2063, 0.7037,  
0.4102

■ 76.6237, 90.8704,  
91.3431

■ 76.6237, 90.8704,  
91.3431

■ 68.4368, 86.8330,  
82.6892

■ 86.0702, 95.5450,  
100.6083

■ 61.4500, 83.4023,  
74.6293

95.0500, 100.0000,  
108.9000

■ 55.6026, 80.5473,  
67.1515

■ 50.8276, 78.2337,  
60.2417

■ 47.0502, 76.4232,  
53.8853

■ 44.1859, 75.0724,  
48.0666

■ 42.1346, 74.1300,  
42.7689

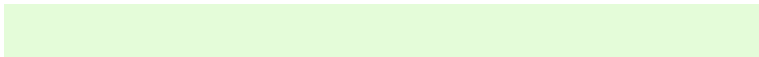
■ 40.7572, 73.5247,  
37.9733

■ 40.5728, 73.4451,  
37.2641

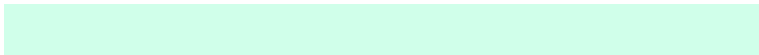
# Harmonies

## Analogous

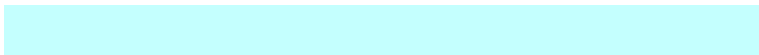
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1629, 90.8704, 79.1571



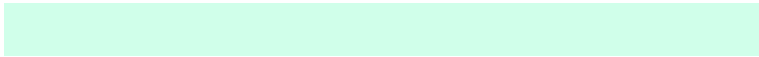
76.6237, 90.8704, 91.3431



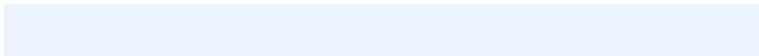
76.6199, 90.8704, 106.9060

# Triad

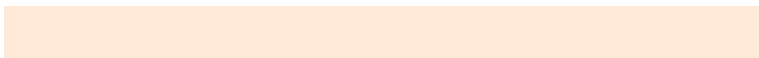
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6237, 90.8704, 91.3431



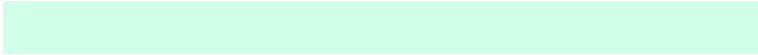
89.1072, 90.8704, 130.9213



94.0127, 90.8704, 79.1846

# Complementary

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



76.6237, 90.8704, 91.3431



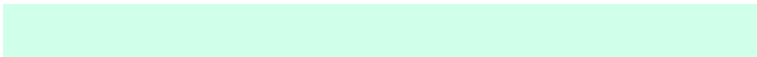
77.9393, 72.0299, 83.9242

# 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.



96.9131, 90.8704, 91.3845



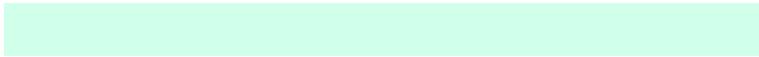
76.6237, 90.8704, 91.3431



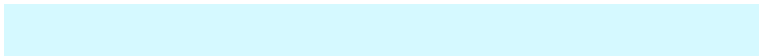
94.0009, 90.8704, 121.7771

# Square

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



76.6237, 90.8704, 91.3431



83.6737, 90.8704, 130.9072



96.9087, 90.8704, 106.9519

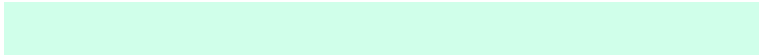


89.1228, 90.8704, 72.6569

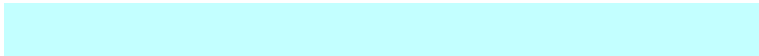


# Rectangle

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



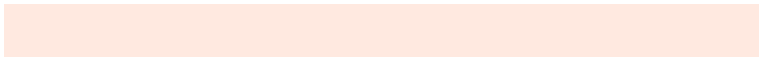
76.6237, 90.8704, 91.3431



78.0489, 90.8704, 117.1861



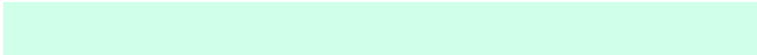
96.9087, 90.8704, 106.9519



95.2616, 90.8704, 82.6978

# Sweetspot

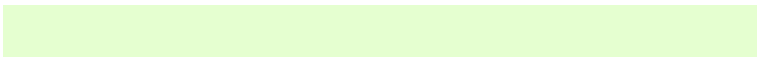
The Sweet Spot groups the original color and five complimentary colors.



76.6245, 90.8708, 91.3446



88.5622, 96.7803, 102.9532



79.5068, 92.7571, 73.3893



18.8110, 20.6431, 21.9006



0.0000, 0.0000, 0.0000

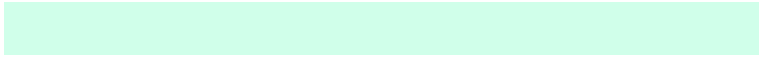


20.3446, 21.4041, 23.3091

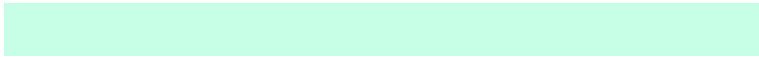


# Same Dimension

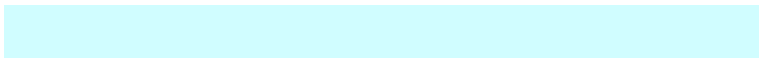
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6245, 90.8708, 91.3446



73.5605, 89.3580, 88.1859



79.0779, 90.6600, 107.9390



18.1922, 20.3364, 21.3151



21.2766, 38.4072, 19.8736



2.1267, 3.7616, 2.2250



# Inverse Universe

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



77.9393, 72.0299, 83.9242



75.0902, 67.4408, 79.5557



75.7590, 72.0813, 69.5960



18.3467, 18.1220, 20.4426



23.2064, 11.7718, 9.7371



2.3136, 1.1678, 1.2326



# Previews

## White Background



This preview shows how the XYZ color 76.6237, 90.8704, 91.3431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

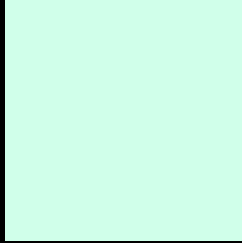
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6237, 90.8704, 91.3431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

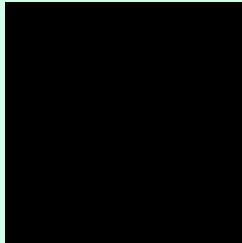
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

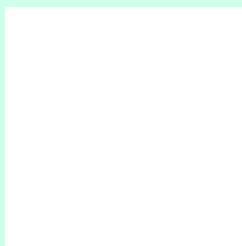
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.6237, 90.8704, 91.3431**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6237, 90.8704, 91.3431.



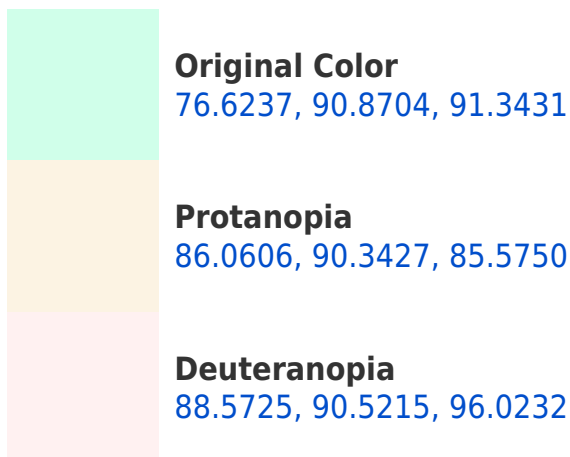
This preview shows how white text looks on a background with the XYZ color 76.6237, 90.8704,

91.3431.

# 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





## **Tritanopia**

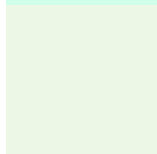
84.2845, 90.2873, 107.5927

# Trichromacy



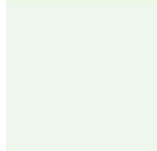
## Original Color

76.6237, 90.8704, 91.3431



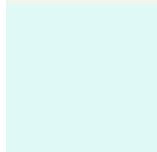
## Protanomaly

82.1358, 90.0676, 87.9187



## Deuteranomaly

83.6483, 90.2617, 93.9024



## Tritanomaly

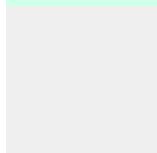
81.0956, 90.1547, 101.1231

# Monochromacy



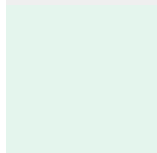
## Original Color

76.6237, 90.8704, 91.3431



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

79.9334, 87.9132, 92.8768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6237, 90.8704, 91.3431 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6237, 90.8704, 91.3431 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".

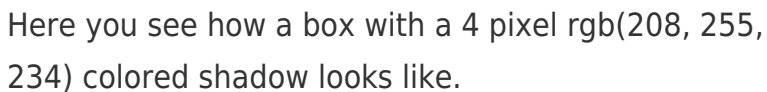
```
.border, #border, table{ border:4px solid rgb(208, 255, 234) }
```



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

```
.border{ border-color:rgb(208, 255, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 255, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 255, 234); box-shadow:4px 4px 4px 4px rgb(208, 255, 234) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6237, 90.8704, 91.3431 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, 234) }
```

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

```
.background{ background-color: rgb(208,  
255, 234) }
```

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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