

Converting Colors

XYZ(76.6725, 90.9438, 89.1657)

Have a look what the booklet for
XYZ(76.6725, 90.9438, 89.1657)
contains.

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Color

**XYZ(76.7621, 90.9912,
89.1186)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FFE7
RGB	210, 255, 231
RGB Percent	82%, 100%, 91%
CMY	0.1765, 0.0000, 0.0941
CMYK	0.18, 0.00, 0.09, 0.00
HSL	148°, 100%, 91%
HSV	148°, 18%, 100%
XYZ	76.7621, 90.9912, 89.1186
YIQ	238.8090, -19.1160, -17.0040

Conversions

Conversions Part 2

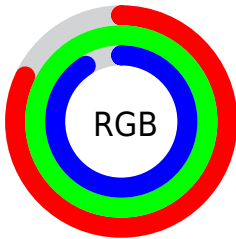
Format	Color
R_{YB}	210, 241, 255
Decimal	13828071
CIE Lab	96.41, -18.88, 6.72
CIE LCh	96, 20.043, 160.405
Yxy	90.9912, 0.2988, 0.3542
Android (android.graphics.Color)	4292018151 (0xFFD2FFE7)
YUV	238.8090, -3.8498, -25.2655
Hunter-Lab	95.3893, -23.2880, 11.3801

Details

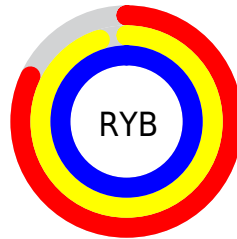
The XYZ color **76.7621, 90.9912, 89.1186** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1382, 73.2945, 87.8178**, and the grayscale version is **81.9347, 86.2017, 93.8737**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4495, 50.4519, 48.1110** is the 20% darker color. If you saturate the color by 10%, you get **68.2244, 86.8031, 79.0794**, and if you desaturate by 10%, it is **86.6074, 95.8359, 100.0009**.

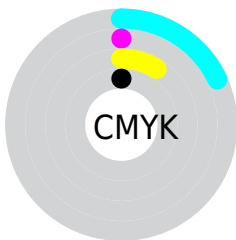
Distribution



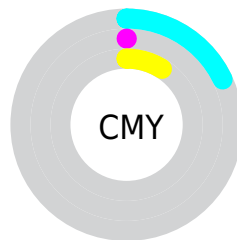
- Red (82%)
- Green (100%)
- Blue (91%)



- Red (82%)
- Yellow (95%)
- 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 76.7621, 90.9912, 89.1186 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 76.7621, 90.9912, 89.1186 by changing the saturation by 10% instead.


 76.7621, 90.9912,
89.1186

 76.7621, 90.9912,
89.1186


472.8569,
531.2499, 545.6554

 57.3569, 68.8030,
66.6803


127.7782,
148.7145, 148.0383

 41.5331, 50.5513,
48.3649


160.1199,
185.0183, 185.3567

 28.9254, 35.8517,
33.7539


197.5043,
226.7962, 228.4722

 19.1684, 24.3196,
22.4288

240.2970,
274.4325, 277.8034

 11.8967, 15.5709,
13.9710

288.8633,
328.3117, 333.7688

 6.7451, 9.2210,
7.9619

343.5684,

 3.3481, 4.8856,

388.8180, 396.7869

3.9832

404.7779,
456.3360, 467.2763

■ 1.3404, 2.1803,
1.6161

■ 0.2132, 0.7092,
0.3023

■ 76.7621, 90.9912,
89.1186

■ 76.7621, 90.9912,
89.1186

■ 68.2244, 86.8031,
79.0794

■ 86.6074, 95.8359,
100.0009

■ 60.9339, 83.2413,
69.8587

95.0500, 100.0000,
108.9000

■ 54.8288, 80.2741,
61.4368

■ 49.8410, 77.8668,
53.7915

■ 45.8948, 75.9809,
46.8996

■ 42.9047, 74.5728,
40.7366

■ 40.7705, 73.5912,
35.2762

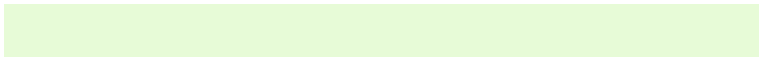
■ 39.3608, 72.9690,
30.4896

■ 39.0902, 72.8521,
29.4563

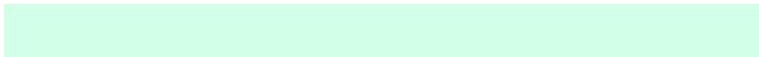
Harmonies

Analogous

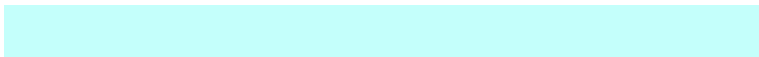
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7124, 90.9912, 77.4623



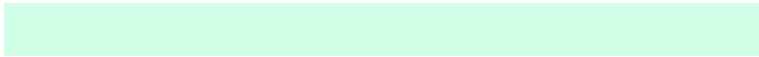
76.7621, 90.9912, 89.1186



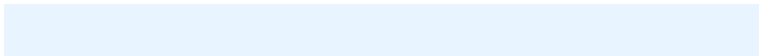
76.3517, 90.9912, 104.7295

Triad

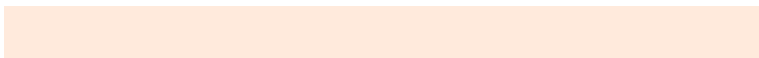
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7621, 90.9912, 89.1186



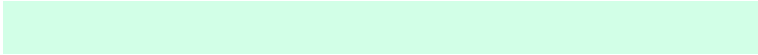
88.4373, 90.9912, 132.4860



94.9175, 90.9912, 80.4558

Complementary

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



76.7621, 90.9912, 89.1186



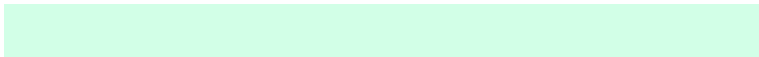
79.1382, 73.2945, 87.8178

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.



97.4761, 90.9912, 93.6257



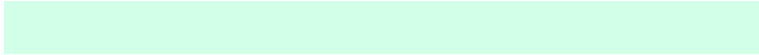
76.7621, 90.9912, 89.1186



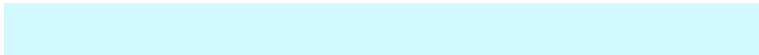
93.6294, 90.9912, 124.3722

Square

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



76.7621, 90.9912, 89.1186



82.9346, 90.9912, 130.9447



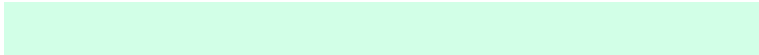
96.9948, 90.9912, 109.7444



90.1341, 90.9912, 72.8458

Rectangle

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



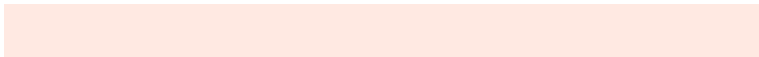
76.7621, 90.9912, 89.1186



77.5540, 90.9912, 115.4590



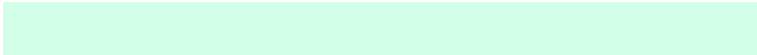
96.9948, 90.9912, 109.7444



96.0754, 90.9912, 84.3173

Sweetspot

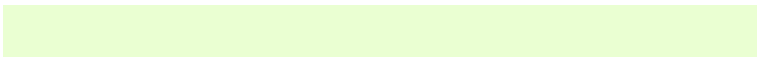
The Sweet Spot groups the original color and five complimentary colors.



76.7629, 90.9915, 89.1200



89.4382, 97.2313, 103.0236



81.3250, 93.6658, 74.7668



18.9806, 20.7312, 21.8782



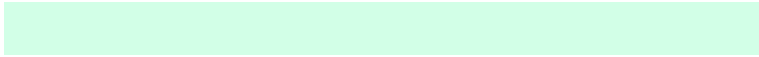
0.0000, 0.0000, 0.0000



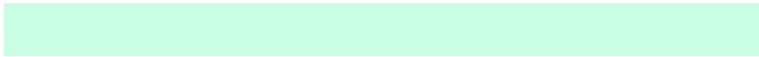
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7629, 90.9915, 89.1200



73.7567, 89.5152, 85.6602



80.1482, 92.3456, 106.9469



18.1243, 20.3093, 20.9578



20.4993, 38.0963, 15.7803



2.0505, 3.7311, 1.8238

Inverse Universe

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



79.1382, 73.2945, 87.8178



76.5159, 68.9571, 84.1465



76.1078, 72.0823, 71.8601



18.4143, 18.1490, 20.7990



23.9468, 12.0680, 13.6364



2.3868, 1.1971, 1.6185

Previews

White Background



This preview shows how the XYZ color 76.7621, 90.9912, 89.1186 looks on a white background.

Color Contrast Check

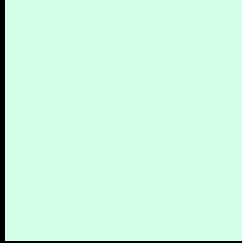
Large Text (above 18pt) WCAG AA × Fail

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 76.7621, 90.9912, 89.1186 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

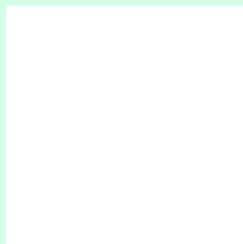
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7621, 90.9912, 89.1186

Background



This preview shows how black text looks on a background with the XYZ color 76.7621, 90.9912, 89.1186.



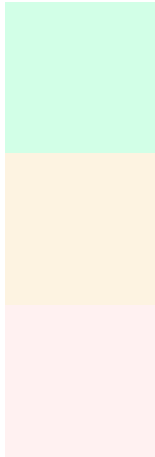
This preview shows how white text looks on a background with the XYZ color 76.7621, 90.9912,

89.1186.

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

76.7621, 90.9912, 89.1186

Protanopia

86.1492, 90.4201, 84.1464

Deuteranopia

88.5725, 90.5215, 96.0232



Tritanopia

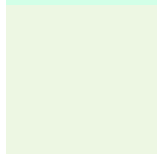
84.6100, 90.4552, 107.6079

Trichromacy



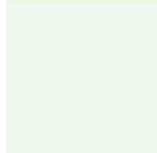
Original Color

76.7621, 90.9912, 89.1186



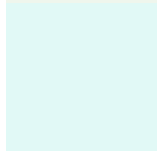
Protanomaly

82.0509, 90.0721, 85.7342



Deuteranomaly

83.8384, 90.3767, 93.1464



Tritanomaly

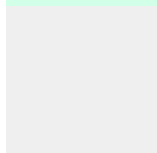
81.5616, 90.4127, 100.3414

Monochromacy



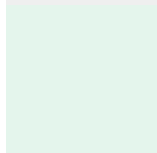
Original Color

76.7621, 90.9912, 89.1186



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7876, 87.8549, 92.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7621, 90.9912, 89.1186 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(210, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 76.7621, 90.9912, 89.1186 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(210, 255, 231) }
```


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

```
.border{ border-color:rgb(210, 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(210, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7621, 90.9912, 89.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 231) }
```

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

```
.background{ background-color: rgb(210,  
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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