

Converting Colors

XYZ(81.5707, 100.0000,
102.8535)

Have a look what the booklet for
XYZ(81.5707, 100.0000, 102.8535)
contains.

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Color

**XYZ(76.9056, 90.7920,
101.4669)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFF7
RGB	202, 255, 247
RGB Percent	79%, 100%, 97%
CMY	0.2078, 0.0000, 0.0314
CMYK	0.21, 0.00, 0.03, 0.00
HSL	171°, 100%, 90%
HSV	171°, 21%, 100%
XYZ	76.9056, 90.7920, 101.4669
YIQ	238.2410, -29.0200, -13.7240

Conversions

Conversions Part 2

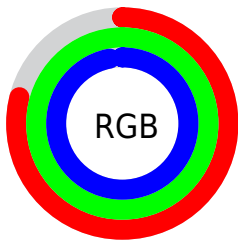
Format	Color
R_{YB}	202, 231, 255
Decimal	13303799
CIE _{Lab}	96.32, -18.24, -1.69
CIE _{LCh}	96, 18.316, 185.292
Yxy	90.7920, 0.2857, 0.3373
Android (android.graphics.Color)	4291493879 (0xFFCAFFF7)
YUV	238.2410, 4.3182, -31.7834
Hunter-Lab	95.2848, -22.6788, 3.5627

Details

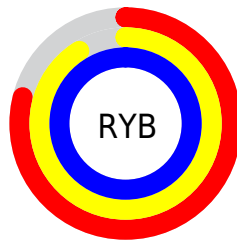
The XYZ color **76.9056, 90.7920, 101.4669** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9940, 68.1553, 70.2285**, and the grayscale version is **81.4381, 85.6792, 93.3047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6307, 50.3528, 56.8151** is the 20% darker color. If you saturate the color by 10%, you get **69.9791, 87.2891, 98.0757**, and if you desaturate by 10%, it is **84.9862, 94.8883, 104.9790**.

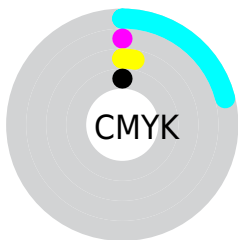
Distribution



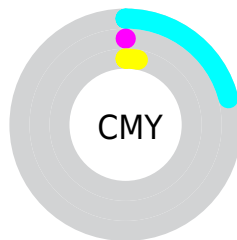
- Red (79%)
- Green (100%)
- Blue (97%)



- Red (79%)
- Yellow (91%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9056, 90.7920, 101.4669 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 76.9056, 90.7920, 101.4669 by changing the saturation by 10% instead.

76.9056, 90.7920,
101.4669

76.9056, 90.7920,
101.4669

473.3390,
530.6038, 586.1723

57.4751, 68.6377,
76.9025

127.9798,
148.4380, 165.2410

41.6284, 50.4167,
56.6618

160.3541,
184.6986, 205.2878

29.0003, 35.7446,
40.3262

197.7737,
226.4300, 251.3324

19.2253, 24.2370,
27.4772

240.6040,
274.0166, 303.7934

11.9382, 15.5095,
17.6964

289.2104,
327.8430, 363.0894

6.7735, 9.1778,
10.5650

343.9581,

3.3659, 4.8573,

388.2933, 429.6388

5.6647

405.2125,
455.7522, 503.8603

■ 1.3501, 2.1638,
2.5768

■ 0.2202, 0.7001,
0.8805

■ 76.9056, 90.7920,
101.4669

■ 76.9056, 90.7920,
101.4669

■ 69.9791, 87.2891,
98.0757

■ 84.9862, 94.8883,
104.9790

■ 64.1480, 84.3496,
94.7979

■ 94.2704, 99.6037,
108.6103

■ 59.3524, 81.9425,
91.6319

■ 95.0500, 100.0000,
108.9000

■ 55.5257, 80.0334,
88.5740

■ 52.5931, 78.5840,
85.6204

■ 50.4693, 77.5500,
82.7667

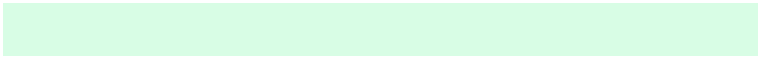
■ 49.0516, 76.8788,
80.0078

■ 48.2215, 76.5046,
77.5415

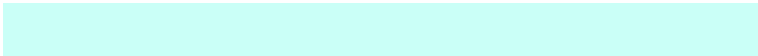
Harmonies

Analogous

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



77.7000, 90.7920, 87.5902



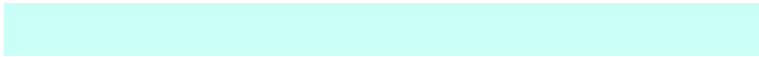
76.9056, 90.7920, 101.4669



78.5454, 90.7920, 115.9641

Triad

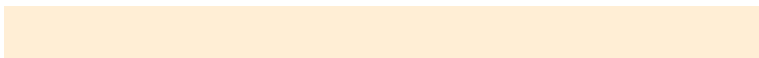
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9056, 90.7920, 101.4669



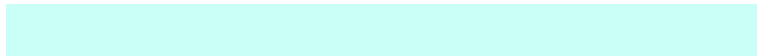
92.0781, 90.7920, 123.5641



90.4539, 90.7920, 75.5023

Complementary

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



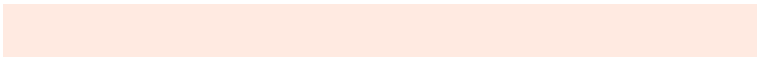
76.9056, 90.7920, 101.4669



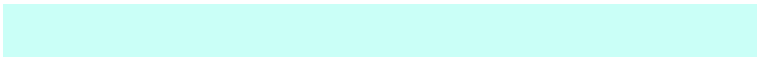
73.9940, 68.1553, 70.2285

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.



94.5384, 90.7920, 83.5210



76.9056, 90.7920, 101.4669



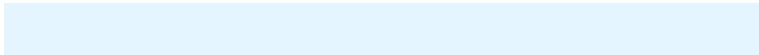
95.5017, 90.7920, 111.0509

Square

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



76.9056, 90.7920, 101.4669



87.2016, 90.7920, 129.4995



96.4193, 90.7920, 96.2923



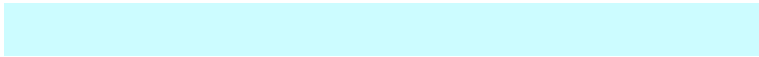
85.3948, 90.7920, 73.4751

Rectangle

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



76.9056, 90.7920, 101.4669



80.8378, 90.7920, 123.7547



96.4193, 90.7920, 96.2923



91.9926, 90.7920, 77.5450

Sweetspot

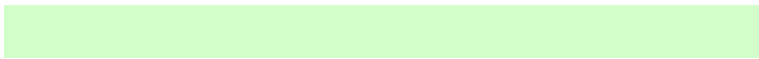
The Sweet Spot groups the original color and five complimentary colors.



76.9065, 90.7924, 101.4684



89.2738, 97.0650, 106.7008



73.2378, 89.6089, 69.3148



18.9794, 20.7105, 22.7877



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

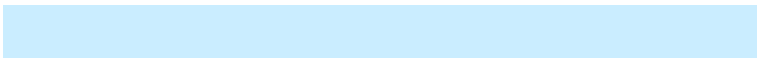
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9065, 90.7924, 101.4684



73.8482, 89.2446, 100.0236



72.7888, 80.5389, 106.3169



18.4301, 20.4316, 22.5678



25.2414, 39.9932, 40.7522



2.4882, 3.9062, 4.1288

Inverse Universe

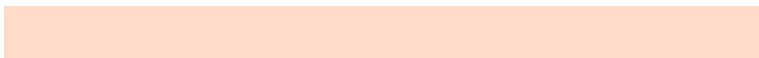
The Inverse Universe completely reimagines the original color for something new.



73.9940, 68.1553, 70.2285



70.4528, 62.8417, 63.5952



77.4072, 76.5368, 66.5719



18.1211, 18.0317, 19.2548



21.7689, 11.1968, 2.1674



2.1508, 1.1027, 0.3758

Previews

White Background



This preview shows how the XYZ color 76.9056, 90.7920, 101.4669 looks on a white background.

Color Contrast Check

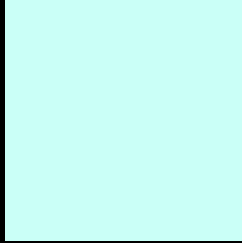
Large Text (above 18pt) WCAG AA × Fail

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 76.9056, 90.7920, 101.4669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

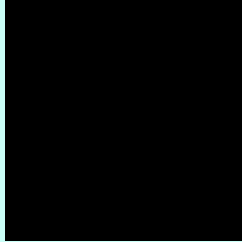
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

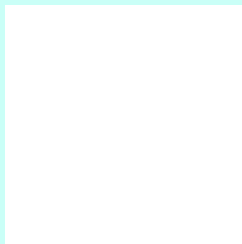
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9056, 90.7920, 101.4669

Background



This preview shows how black text looks on a background with the XYZ color 76.9056, 90.7920, 101.4669.



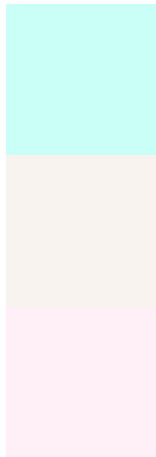
This preview shows how white text looks on a background with the XYZ color 76.9056, 90.7920,

101.4669.

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

76.9056, 90.7920, 101.4669

Protanopia

86.8457, 90.5322, 95.3353

Deuteranopia

89.3434, 90.3575, 101.5388



Tritanopia

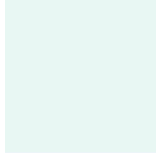
83.9439, 90.5645, 107.6641

Trichromacy



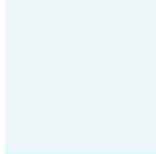
Original Color

76.9056, 90.7920, 101.4669



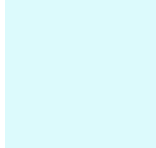
Protanomaly

82.7171, 90.1484, 97.8347



Deuteranomaly

84.1878, 89.9150, 101.7251



Tritanomaly

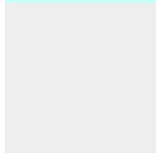
81.2715, 90.6151, 105.3025

Monochromacy



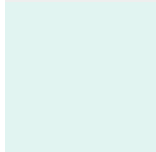
Original Color

76.9056, 90.7920, 101.4669



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.2792, 87.0598, 95.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9056, 90.7920, 101.4669 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(202, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 247)  
}
```

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(202, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 76.9056, 90.7920, 101.4669 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(202, 255, 247) }
```


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

```
.border{ border-color:rgb(202, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9056, 90.7920, 101.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 247) }
```

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

```
.background{ background-color: rgb(202,  
255, 247) }
```

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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