

Converting Colors

XYZ(76.7432, 90.6878,
102.3819)

Have a look what the booklet for
XYZ(76.7432, 90.6878, 102.3819)
contains.

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Color

**XYZ(76.7907, 90.7148,
102.2693)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFF8
RGB	201, 255, 248
RGB Percent	79%, 100%, 97%
CMY	0.2118, 0.0000, 0.0274
CMYK	0.21, 0.00, 0.03, 0.00
HSL	172°, 100%, 89%
HSV	172°, 21%, 100%
XYZ	76.7907, 90.7148, 102.2693
YIQ	238.0560, -29.9370, -13.6250

Conversions

Conversions Part 2

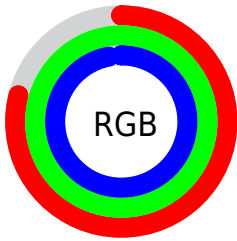
Format	Color
R _Y B	201, 230, 255
Decimal	13238264
CIE Lab	96.29, -18.33, -2.26
CIE LCh	96, 18.472, 187.021
Yxy	90.7148, 0.2846, 0.3363
Android (android.graphics.Color)	4291428344 (0xFFC9FFF8)
YUV	238.0560, 4.9024, -32.4981
Hunter-Lab	95.2443, -22.7620, 3.0079

Details

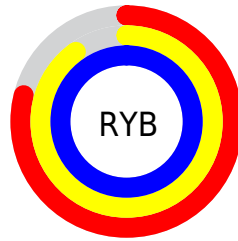
The XYZ color **76.7907, 90.7148, 102.2693** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5126, 67.5887, 68.8466**, and the grayscale version is **81.2911, 85.5245, 93.1362**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5626, 50.3049, 57.3884** is the 20% darker color. If you saturate the color by 10%, you get **69.9874, 87.2663, 99.2991**, and if you desaturate by 10%, it is **84.7429, 94.7546, 105.3435**.

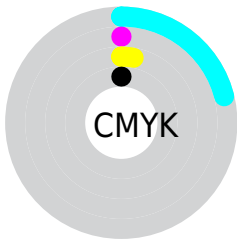
Distribution



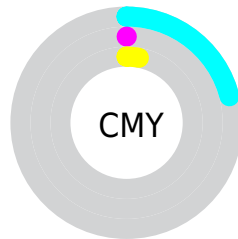
- Red (79%)
- Green (100%)
- Blue (97%)



- Red (79%)
- Yellow (90%)
- 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 76.7907, 90.7148, 102.2693 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 76.7907, 90.7148, 102.2693 by changing the saturation by 10% instead.

76.7907, 90.7148,
102.2693

76.7907, 90.7148,
102.2693

472.9530,
530.3533, 588.7527

57.3804, 68.5736,
77.5697

127.8184,
148.3309, 166.3512

41.5521, 50.3646,
57.2062

160.1666,
184.5746, 206.5706

28.9403, 35.7032,
40.7603

197.5580,
226.2880, 252.8003

19.1797, 24.2050,
27.8136

240.3582,
273.8554, 305.4589

11.9050, 15.4858,
17.9474

288.9325,
327.6612, 364.9649

6.7507, 9.1610,
10.7432

343.6461,

3.3517, 4.8464,

388.0899, 431.7368

5.7824

404.8645,
455.5258, 506.1933

■ 1.3423, 2.1574,
2.6466

■ 0.2146, 0.6966,
0.9164

■ 76.7907, 90.7148,
102.2693

■ 76.7907, 90.7148,
102.2693

■ 69.9874, 87.2663,
99.2991

■ 84.7429, 94.7546,
105.3435

■ 64.2740, 84.3786,
96.4255

■ 93.8934, 99.4110,
108.5197

■ 59.5904, 82.0208,
93.6468

■ 95.0500, 100.0000,
108.9000

■ 55.8698, 80.1584,
90.9598

■ 53.0372, 78.7527,
88.3606

■ 51.0066, 77.7595,
85.8450

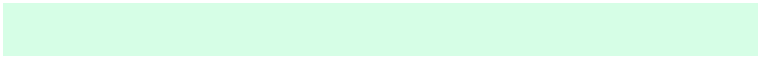
■ 49.6746, 77.1254,
83.4079

■ 48.9382, 76.7913,
81.3157

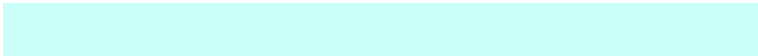
Harmonies

Analogous

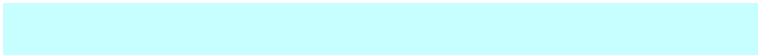
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4491, 90.7148, 88.1423



76.7907, 90.7148, 102.2693



78.5779, 90.7148, 116.7920

Triad

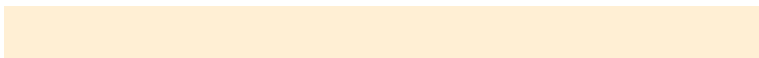
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7907, 90.7148, 102.2693



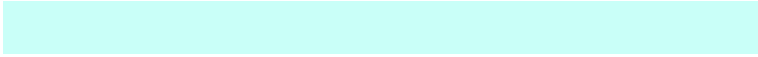
92.3030, 90.7148, 123.1080



90.1331, 90.7148, 74.9645

Complementary

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



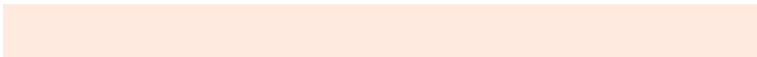
76.7907, 90.7148, 102.2693



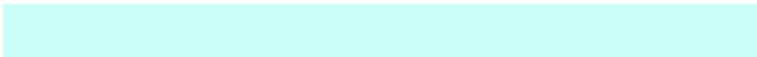
73.5126, 67.5887, 68.8466

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.



94.3457, 90.7148, 82.7098



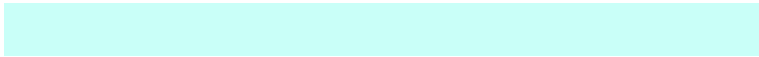
76.7907, 90.7148, 102.2693



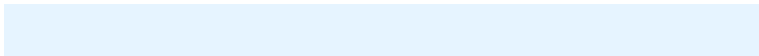
95.6329, 90.7148, 110.2258

Square

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



76.7907, 90.7148, 102.2693



87.4340, 90.7148, 129.5729



96.3949, 90.7148, 95.3573



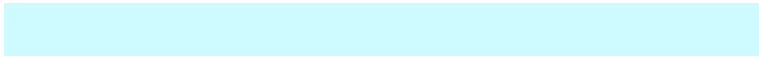
85.0206, 90.7148, 73.2871

Rectangle

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



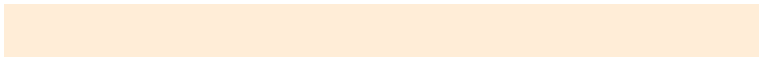
76.7907, 90.7148, 102.2693



80.9593, 90.7148, 124.4376



96.3949, 90.7148, 95.3573



91.7074, 90.7148, 76.9046

Sweetspot

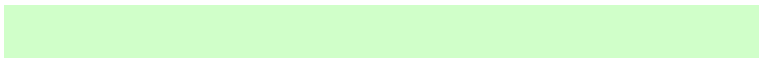
The Sweet Spot groups the original color and five complimentary colors.



76.7917, 90.7153, 102.2708



89.3258, 97.0857, 106.9742



72.3723, 89.1764, 68.6584



18.9917, 20.7154, 22.8525



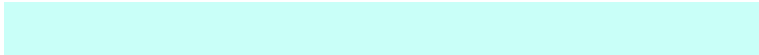
0.0000, 0.0000, 0.0000



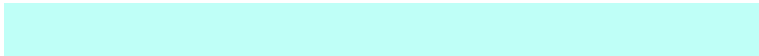
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7917, 90.7153, 102.2708



74.0568, 89.3280, 101.1225



71.9041, 79.1697, 106.0993



18.4476, 20.4386, 22.6599



25.6109, 40.1409, 42.6977



2.5207, 3.9192, 4.2997

Inverse Universe

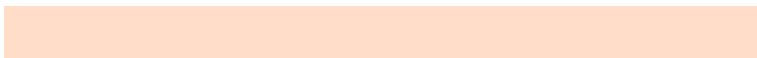
The Inverse Universe completely reimagines the original color for something new.



73.5126, 67.5887, 68.8466



70.2938, 62.7781, 62.7577



77.5871, 77.0855, 66.0498



18.1052, 18.0254, 19.1710



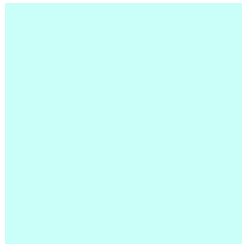
21.7220, 11.1781, 1.9204



2.1434, 1.0997, 0.3366

Previews

White Background



This preview shows how the XYZ color 76.7907, 90.7148, 102.2693 looks on a white background.

Color Contrast Check

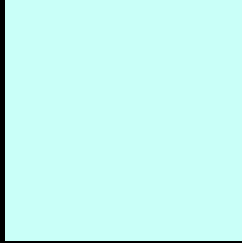
Large Text (above 18pt) WCAG AA × Fail

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 76.7907, 90.7148, 102.2693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

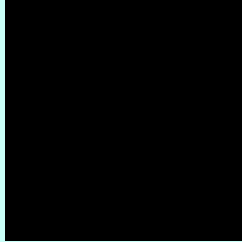
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

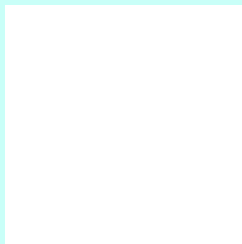
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7907, 90.7148, 102.2693

Background



This preview shows how black text looks on a background with the XYZ color 76.7907, 90.7148, 102.2693.

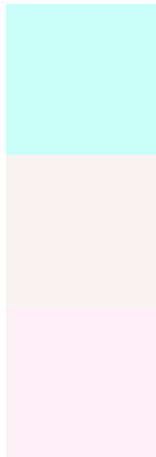


This preview shows how white text looks on a background with the XYZ color 76.7907, 90.7148,

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

76.7907, 90.7148, 102.2693

Protanopia

86.3407, 89.8116, 96.0038

Deuteranopia

89.3434, 90.3575, 101.5388



Tritanopia

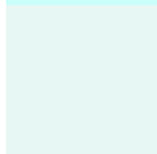
83.9439, 90.5645, 107.6641

Trichromacy



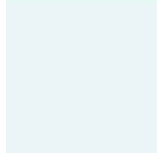
Original Color

76.7907, 90.7148, 102.2693



Protanomaly

82.5449, 90.0421, 98.6172



Deuteranomaly

83.8566, 89.7443, 101.7096



Tritanomaly

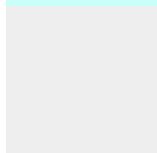
80.9697, 90.4596, 105.2883

Monochromacy



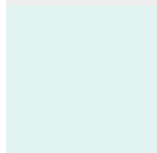
Original Color

76.7907, 90.7148, 102.2693



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.4290, 87.1197, 96.6338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7907, 90.7148, 102.2693 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(201, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 248)  
}
```

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(201, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 76.7907, 90.7148, 102.2693 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(201, 255, 248) }
```


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

```
.border{ border-color:rgb(201, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7907, 90.7148, 102.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 248) }
```

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

```
.background{ background-color: rgb(201,  
255, 248) }
```

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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