

Converting Colors

XYZ(81.6171, 100.0000,
107.4097)

Have a look what the booklet for
XYZ(81.6171, 100.0000, 107.4097)
contains.

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Color

**XYZ(76.8839, 90.6904,
105.5482)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFFC
RGB	199, 255, 252
RGB Percent	78%, 100%, 99%
CMY	0.2196, 0.0000, 0.0118
CMYK	0.22, 0.00, 0.01, 0.00
HSL	177°, 100%, 89%
HSV	177°, 22%, 100%
XYZ	76.8839, 90.6904, 105.5482
YIQ	237.9140, -32.4130, -12.8050

Conversions

Conversions Part 2

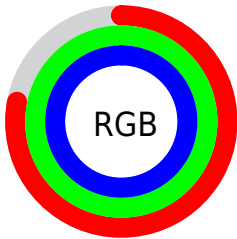
Format	Color
R_{YB}	199, 228, 255
Decimal	13107196
CIE _{Lab}	96.28, -18.10, -4.35
CIE _{LCh}	96, 18.616, 193.502
Y _{xy}	90.6904, 0.2815, 0.3321
Android (android.graphics.Color)	4291297276 (0xFFC7FFFC)
YUV	237.9140, 6.9444, -34.1276
Hunter-Lab	95.2315, -22.5455, 0.9490

Details

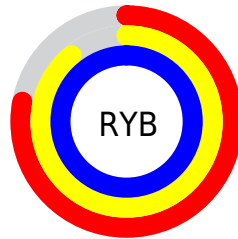
The XYZ color **76.8839, 90.6904, 105.5482** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.3249, 66.3725, 64.8771**, and the grayscale version is **81.1673, 85.3943, 92.9944**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5460, 50.2576, 59.1407** is the 20% darker color. If you saturate the color by 10%, you get **70.4603, 87.4038, 104.1235**, and if you desaturate by 10%, it is **84.4448, 94.5630, 107.0372**.

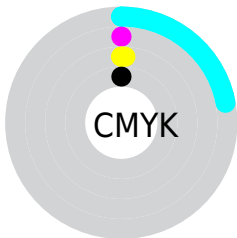
Distribution



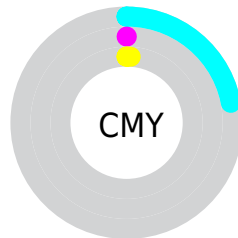
- Red (78%)
- Green (100%)
- Blue (99%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8839, 90.6904, 105.5482 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 76.8839, 90.6904, 105.5482 by changing the saturation by 10% instead.

76.8839, 90.6904,
105.5482

76.8839, 90.6904,
105.5482

473.2661,
530.2741, 599.2360

57.4572, 68.5534,
80.2995

127.9493,
148.2970, 170.8791

41.6140, 50.3481,
59.4372

160.3187,
184.5354, 211.7984

28.9889, 35.6901,
42.5428

197.7330,
226.2431, 258.7784

19.2167, 24.1949,
29.1978

240.5576,
273.8044, 312.2374

11.9319, 15.4783,
18.9837

289.1579,
327.6038, 372.5942

6.7692, 9.1557,
11.4818

343.8991,

3.3632, 4.8429,

388.0256, 440.2671

6.2736

405.1468,
455.4543, 515.6749

■ 1.3486, 2.1554,
2.9407

■ 0.2192, 0.6955,
1.0644

■ 76.8839, 90.6904,
105.5482

■ 76.8839, 90.6904,
105.5482

■ 70.4603, 87.4038,
104.1235

■ 84.4448, 94.5630,
107.0372

■ 65.1145, 84.6726,
102.7559

■ 93.1923, 99.0473,
108.5884

■ 60.7861, 82.4658,
101.4439

95.0500, 100.0000,
108.9000

■ 57.4077, 80.7486,
100.1845

■ 54.9037, 79.4820,
98.9741

■ 53.1871, 78.6210,
97.8085

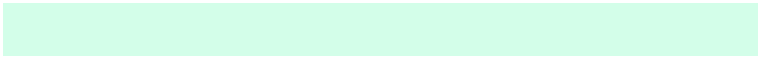
■ 52.1527, 78.1116,
96.6829

■ 51.6890, 77.8916,
95.8009

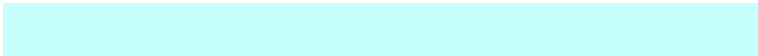
Harmonies

Analogous

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



77.0086, 90.6904, 90.8758



76.8839, 90.6904, 105.5482



79.1831, 90.6904, 119.6831

Triad

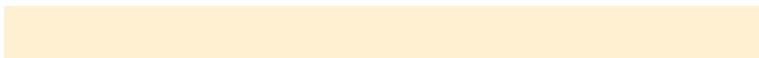
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8839, 90.6904, 105.5482



93.2286, 90.6904, 120.8839



89.0541, 90.6904, 73.8734

Complementary

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



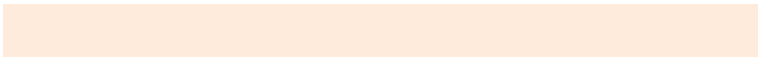
76.8839, 90.6904, 105.5482



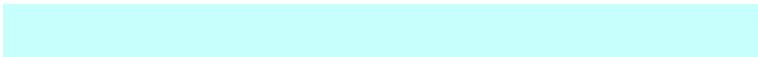
72.3249, 66.3725, 64.8771

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.



93.6165, 90.6904, 80.4060



76.8839, 90.6904, 105.5482



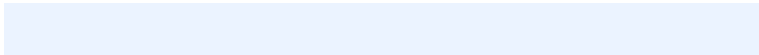
96.0919, 90.6904, 107.0588

Square

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



76.8839, 90.6904, 105.5482



88.5419, 90.6904, 129.1166



96.2366, 90.6904, 92.2433



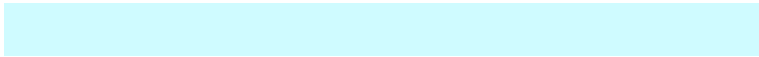
83.8969, 90.6904, 73.5563

Rectangle

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



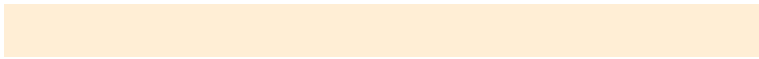
76.8839, 90.6904, 105.5482



81.8364, 90.6904, 126.4978



96.2366, 90.6904, 92.2433



90.7129, 90.6904, 75.3832

Sweetspot

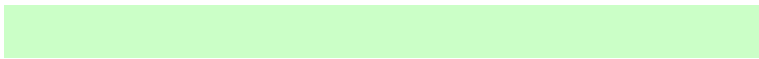
The Sweet Spot groups the original color and five complimentary colors.



76.8849, 90.6909, 105.5497



88.6316, 96.7089, 107.7984



70.6259, 88.3031, 67.3564



18.8584, 20.6420, 23.0533



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

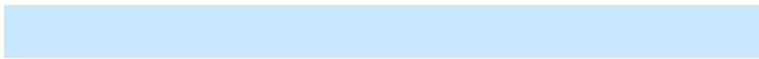
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8849, 90.6909, 105.5497



74.1556, 89.2939, 104.9662



70.1056, 76.3659, 105.6529



18.5104, 20.4637, 22.9906



27.0269, 40.7073, 50.1542



2.6439, 3.9685, 4.9484

Inverse Universe

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



72.3249, 66.3725, 64.8771



68.9153, 61.3431, 58.2227



78.0086, 78.3025, 65.0370



18.0488, 18.0028, 18.8741



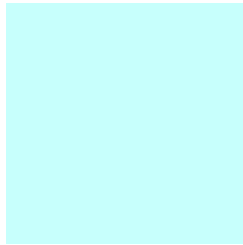
21.6049, 11.1312, 1.3039



2.1168, 1.0891, 0.1967

Previews

White Background



This preview shows how the XYZ color 76.8839, 90.6904, 105.5482 looks on a white background.

Color Contrast Check

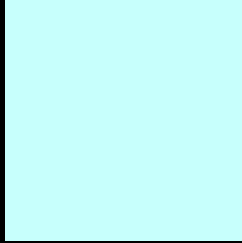
Large Text (above 18pt) WCAG AA × Fail

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 76.8839, 90.6904, 105.5482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

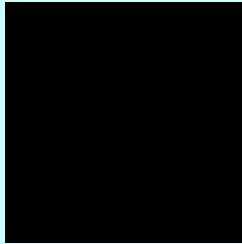
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

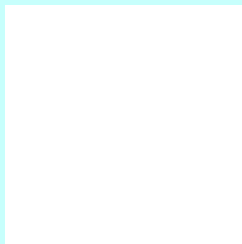
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8839, 90.6904, 105.5482

Background



This preview shows how black text looks on a background with the XYZ color 76.8839, 90.6904, 105.5482.

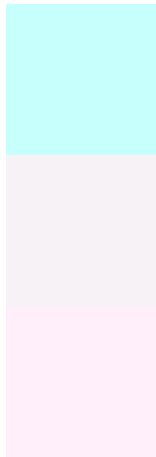


This preview shows how white text looks on a background with the XYZ color 76.8839, 90.6904,

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

76.8839, 90.6904, 105.5482

Protanopia

86.5913, 89.8710, 99.1692

Deuteranopia

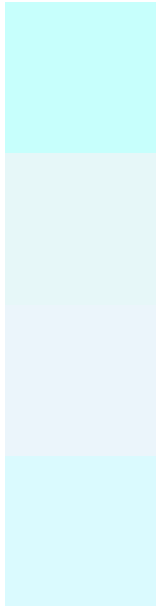
89.5191, 89.9580, 103.9123



Tritanopia

83.6239, 90.3995, 107.6491

Trichromacy



Original Color

76.8839, 90.6904, 105.5482

Protanomaly

82.8372, 90.1218, 101.8362

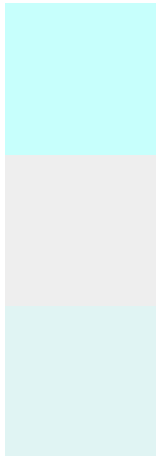
Deuteranomaly

84.3259, 89.9320, 104.1809

Tritanomaly

80.9884, 90.4324, 106.9526

Monochromacy



Original Color

76.8839, 90.6904, 105.5482

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.2688, 87.0197, 97.4126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8839, 90.6904, 105.5482 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(199, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 252)  
}
```

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(199, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 76.8839, 90.6904, 105.5482 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(199, 255, 252) }
```


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

```
.border{ border-color:rgb(199, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8839, 90.6904, 105.5482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 252) }
```

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

```
.background{ background-color: rgb(199,  
255, 252) }
```

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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