

Converting Colors

XYZ(87.1947, 93.6210,
163.9952)

Have a look what the booklet for
XYZ(87.1947, 93.6210, 163.9952)
contains.

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Color

**XYZ(76.7285, 89.6127,
107.8607)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FDFF
RGB	199, 253, 255
RGB Percent	78%, 99%, 100%
CMY	0.2196, 0.0078, 0.0000
CMYK	0.22, 0.01, 0.00, 0.00
HSL	182°, 100%, 89%
HSV	182°, 22%, 100%
XYZ	76.7285, 89.6127, 107.8607
YIQ	237.0820, -32.8260, -10.8260

Conversions

Conversions Part 2

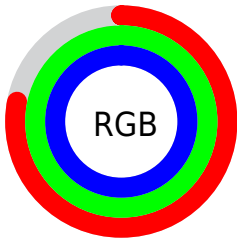
Format	Color
R_{YB}	199, 226, 255
Decimal	13106687
CIE Lab	95.84, -16.49, -6.55
CIE LCh	96, 17.745, 201.667
Yxy	89.6127, 0.2798, 0.3268
Android (android.graphics.Color)	4291296767 (0xFFC7FDFF)
YUV	237.0820, 8.8336, -33.3979
Hunter-Lab	94.6640, -20.9814, -1.2906

Details

The XYZ color **76.7285, 89.6127, 107.8607** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4353, 67.1560, 63.1793**, and the grayscale version is **80.5137, 84.7066, 92.2455**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4346, 49.4864, 60.7941** is the 20% darker color. If you saturate the color by 10%, you get **70.2357, 85.8431, 107.4753**, and if you desaturate by 10%, it is **84.3610, 93.9765, 108.3007**.

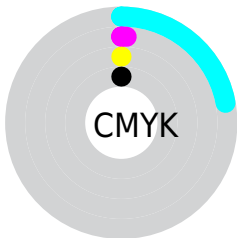
Distribution



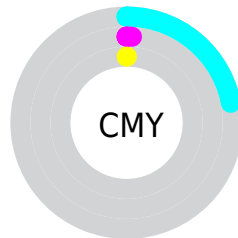
- Red (78%)
- Green (99%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7285, 89.6127, 107.8607 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 76.7285, 89.6127, 107.8607 by changing the saturation by 10% instead.

76.7285, 89.6127,
107.8607

76.7285, 89.6127,
107.8607

472.7440,
526.7702, 606.5721

57.3292, 67.6595,
82.2280

127.7310,
146.8003, 174.0641

41.5108, 49.6207,
61.0166

160.0650,
182.8035, 215.4719

28.9078, 35.1121,
43.8079

197.4412,
224.2587, 262.9752

19.1551, 23.7493,
30.1834

240.2251,
271.5504, 316.9924

11.8870, 15.1477,
19.7246

288.7820,
325.0631, 377.9422

6.7385, 8.9231,
12.0129

343.4772,

3.3439, 4.6911,

385.1810, 446.2430

6.6298

404.6761,
452.2885, 522.3135

■ 1.3382, 2.0672,
3.1568

■ 0.2115, 0.6461,
1.1752

■ 76.7285, 89.6127,
107.8607

■ 76.7285, 89.6127,
107.8607

■ 70.2357, 85.8431,
107.4753

■ 84.3610, 93.9765,
108.3007

■ 64.8192, 82.6281,
107.1402

■ 93.1786, 98.9510,
108.7962

■ 60.4200, 79.9395,
106.8531

■ 95.0500, 100.0000,
108.9000

■ 56.9706, 77.7425,
106.6109

■ 54.3954, 75.9983,
106.4099

■ 52.6073, 74.6619,
106.2462

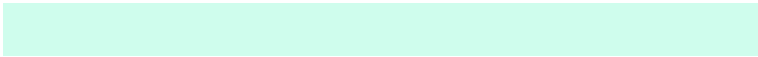
■ 51.5013, 73.6791,
106.1148

■ 50.9800, 73.0800,
106.0267

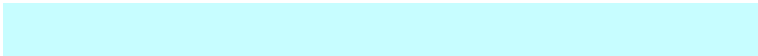
Harmonies

Analogous

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



76.2024, 89.6127, 93.7210



76.7285, 89.6127, 107.8607



79.4726, 89.6127, 120.2657

Triad

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



76.7285, 89.6127, 107.8607



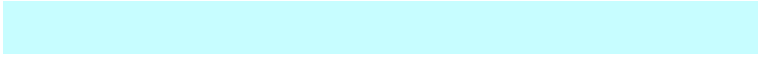
92.7675, 89.6127, 115.2523



86.5446, 89.6127, 73.2728

Complementary

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



76.7285, 89.6127, 107.8607



72.4353, 67.1560, 63.1793

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.



91.1422, 89.6127, 77.9310



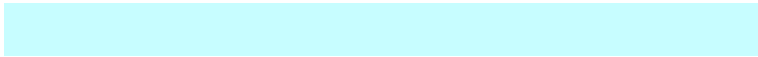
76.7285, 89.6127, 107.8607



94.8239, 89.6127, 101.5291

Square

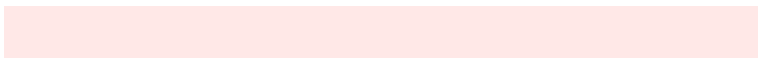
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7285, 89.6127, 107.8607



88.6944, 89.6127, 124.8095



94.2179, 89.6127, 87.9612



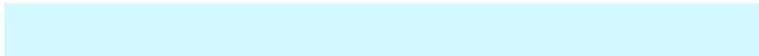
81.7483, 89.6127, 74.6185

Rectangle

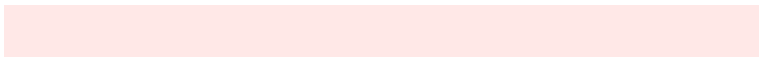
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7285, 89.6127, 107.8607



82.2498, 89.6127, 125.4424



94.2179, 89.6127, 87.9612



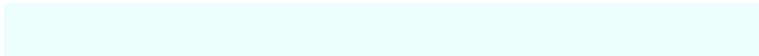
88.1670, 89.6127, 74.1711

Sweetspot

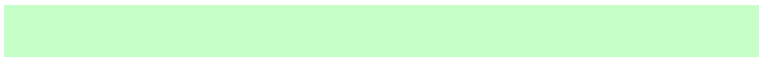
The Sweet Spot groups the original color and five complimentary colors.



76.7308, 89.6162, 107.8613



88.5826, 96.3653, 108.5393



69.8412, 87.8734, 68.4582



18.8470, 20.5622, 23.2255



0.0000, 0.0000, 0.0000



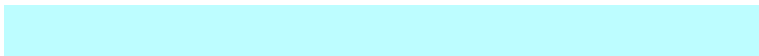
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7308, 89.6162, 107.8613



73.9730, 88.0227, 107.6990



68.5657, 73.2859, 105.1395



18.4961, 20.3639, 23.2057



26.6628, 38.2352, 55.4094



2.6127, 3.7562, 5.4006

Inverse Universe

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



79.3945, 69.2004, 102.1052



77.0451, 64.5950, 101.0338



79.5320, 81.3493, 65.5448



18.7631, 18.2885, 22.6354



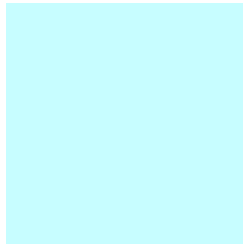
30.2463, 14.5878, 46.8092



2.9534, 1.4237, 4.6019

Previews

White Background



This preview shows how the XYZ color 76.7285, 89.6127, 107.8607 looks on a white background.

Color Contrast Check

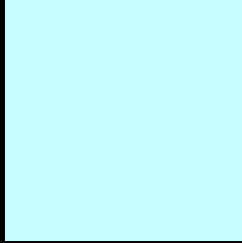
Large Text (above 18pt) WCAG AA × Fail

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 76.7285, 89.6127, 107.8607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

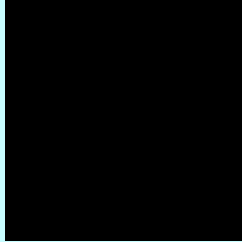
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7285, 89.6127, 107.8607

Background



This preview shows how black text looks on a background with the XYZ color 76.7285, 89.6127, 107.8607.

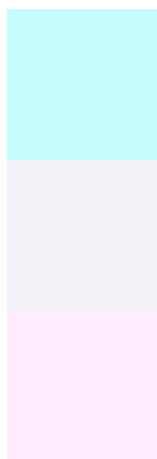


This preview shows how white text looks on a background with the XYZ color 76.7285, 89.6127,

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

76.7285, 89.6127, 107.8607

Protanopia

86.0548, 89.1004, 101.4695

Deuteranopia

89.5742, 89.0484, 107.0747



Tritanopia

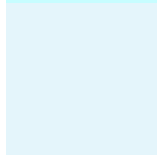
82.3698, 89.3003, 107.5031

Trichromacy



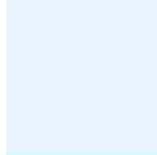
Original Color

76.7285, 89.6127, 107.8607



Protanomaly

82.0599, 88.7638, 104.0749



Deuteranomaly

84.3615, 88.9834, 107.3369



Tritanomaly

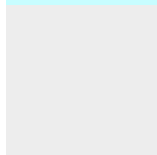
80.2446, 89.5703, 107.6672

Monochromacy



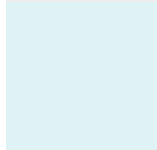
Original Color

76.7285, 89.6127, 107.8607



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.8112, 86.3208, 98.0957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7285, 89.6127, 107.8607 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 253, 255)  
}
```

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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.7285, 89.6127, 107.8607 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, 253, 255) }
```


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

```
.border{ border-color:rgb(199, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7285, 89.6127, 107.8607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 253, 255) }
```

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

```
.background{ background-color: rgb(199,  
253, 255) }
```

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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