

Converting Colors

XYZ(84.0756, 105.4785,
90.7957)

Have a look what the booklet for
XYZ(84.0756, 105.4785, 90.7957)
contains.

XYZ(76.9069, 91.0821, 88.3901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.9069, 91.0821,
88.3901)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FFE6
RGB	211, 255, 230
RGB Percent	83%, 100%, 90%
CMY	0.1725, 0.0000, 0.0980
CMYK	0.17, 0.00, 0.10, 0.00
HSL	146°, 100%, 91%
HSV	146°, 17%, 100%
XYZ	76.9069, 91.0821, 88.3901
YIQ	238.9940, -18.1990, -17.1030

Conversions

Conversions Part 2

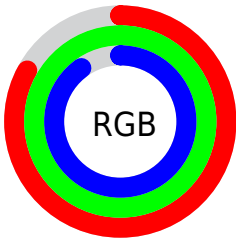
Format	Color
R _Y B	211, 242, 255
Decimal	13893606
CIE Lab	96.44, -18.75, 7.30
CIE LCh	96, 20.121, 158.735
Yxy	91.0821, 0.3000, 0.3553
Android (android.graphics.Color)	4292083686 (0xFFD3FFE6)
YUV	238.9940, -4.4340, -24.5507
Hunter-Lab	95.4369, -23.1722, 11.8937

Details

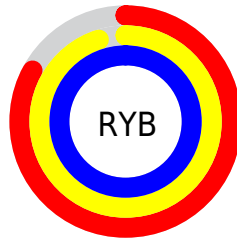
The XYZ color **76.9069, 91.0821, 88.3901** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.6750, 73.9055, 89.4226**, and the grayscale version is **82.0826, 86.3573, 94.0431**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6422, 50.5512, 48.1200** is the 20% darker color. If you saturate the color by 10%, you get **68.2207, 86.8296, 77.8009**, and if you desaturate by 10%, it is **86.9226, 96.0003, 99.9272**.

Distribution



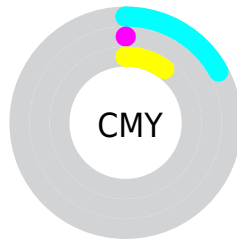
- Red (83%)
- Green (100%)
- Blue (90%)



- Red (83%)
- Yellow (95%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9069, 91.0821, 88.3901 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 76.9069, 91.0821, 88.3901 by changing the saturation by 10% instead.


 76.9069, 91.0821,
88.3901

 76.9069, 91.0821,
88.3901


473.3433,
531.5446, 543.2143

 57.4761, 68.8785,
66.0800


127.9816,
148.8406, 147.0160

 41.6293, 50.6128,
47.8805


160.3562,
185.1642, 184.1690

 29.0009, 35.9005,
33.3729


197.7762,
226.9633, 227.1066

 19.2258, 24.3574,
22.1388

240.6068,
274.6223, 276.2475

 11.9385, 15.5989,
13.7597

289.2135,
328.5255, 332.0102

 6.7737, 9.2408,
7.8169

343.9616,

 3.3661, 4.8986,

389.0574, 394.8132

3.8919

405.2164,
456.6023, 465.0750

■ 1.3502, 2.1879,
1.5662

■ 0.2203, 0.7134,
0.2665

■ 76.9069, 91.0821,
88.3901

■ 76.9069, 91.0821,
88.3901

■ 68.2207, 86.8296,
77.8009

■ 86.9226, 96.0003,
99.9272

■ 60.8032, 83.2120,
68.1311

95.0500, 100.0000,
108.9000

■ 54.5919, 80.1977,
59.3570

■ 49.5180, 77.7518,
51.4524

■ 45.5056, 75.8355,
44.3895

■ 42.4685, 74.4050,
38.1390

■ 40.3063, 73.4091,
32.6697

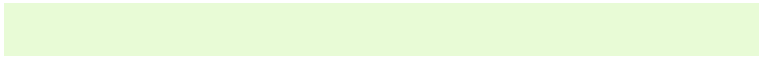
■ 38.8904, 72.7823,
27.9473

■ 38.5810, 72.6484,
26.7750

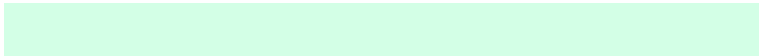
Harmonies

Analogous

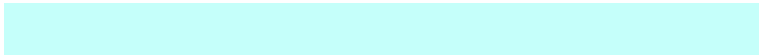
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9982, 91.0821, 76.9838



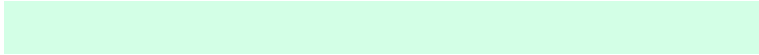
76.9069, 91.0821, 88.3901



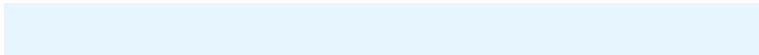
76.3454, 91.0821, 103.9363

Triad

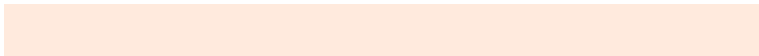
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9069, 91.0821, 88.3901



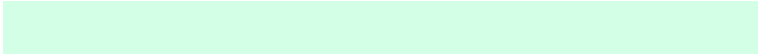
88.2184, 91.0821, 132.9307



95.2564, 91.0821, 81.0796

Complementary

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



76.9069, 91.0821, 88.3901



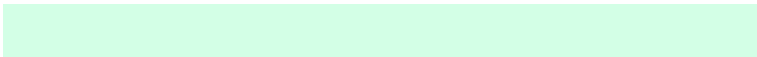
79.6750, 73.9055, 89.4226

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.



97.6707, 91.0821, 94.5573



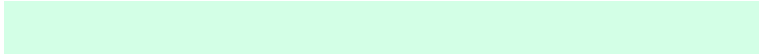
76.9069, 91.0821, 88.3901



93.4938, 91.0821, 125.2620

Square

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



76.9069, 91.0821, 88.3901



82.7190, 91.0821, 130.8214



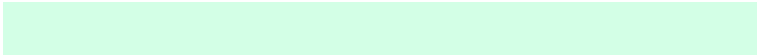
97.0121, 91.0821, 110.7988



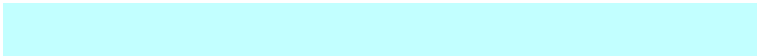
90.5404, 91.0821, 73.0907

Rectangle

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



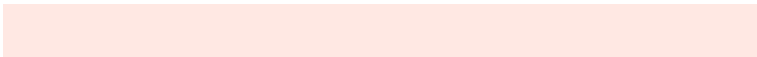
76.9069, 91.0821, 88.3901



77.4568, 91.0821, 114.7707



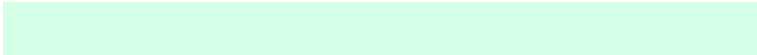
97.0121, 91.0821, 110.7988



96.3731, 91.0821, 85.0565

Sweetspot

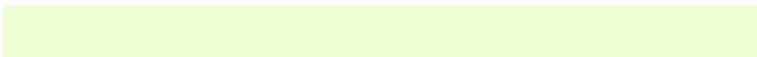
The Sweet Spot groups the original color and five complimentary colors.



76.9077, 91.0824, 88.3915



89.3693, 97.2037, 102.6605



82.3322, 94.1706, 75.4665



18.9638, 20.7245, 21.7901



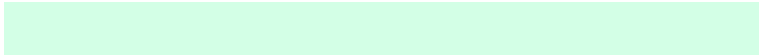
0.0000, 0.0000, 0.0000



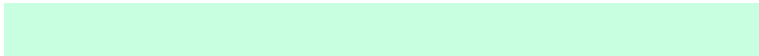
20.3446, 21.4041, 23.3091

Same Dimension

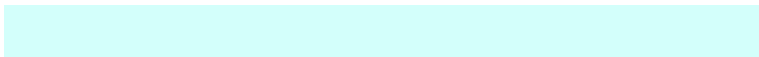
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9077, 91.0824, 88.3915



73.5012, 89.4130, 84.3151



80.0897, 92.3552, 105.1478



18.0972, 20.2984, 20.8150



20.2309, 37.9889, 14.3670



2.0233, 3.7203, 1.6808

Inverse Universe

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



79.6750, 73.9055, 89.4226



76.7794, 69.0625, 85.5346



76.7579, 72.7387, 74.0611



18.4418, 18.1600, 20.9437



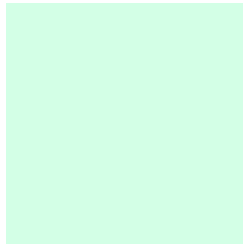
24.2909, 12.2056, 15.4481



2.4199, 1.2104, 1.7928

Previews

White Background



This preview shows how the XYZ color 76.9069, 91.0821, 88.3901 looks on a white background.

Color Contrast Check

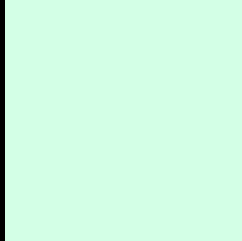
Large Text (above 18pt) WCAG AA × Fail

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 76.9069, 91.0821, 88.3901 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

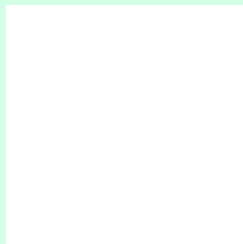
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9069, 91.0821, 88.3901

Background



This preview shows how black text looks on a background with the XYZ color 76.9069, 91.0821, 88.3901.



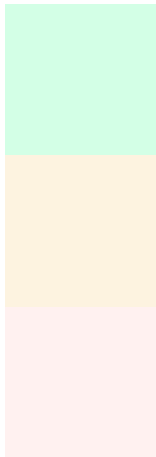
This preview shows how white text looks on a background with the XYZ color 76.9069, 91.0821,

88.3901.

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

76.9069, 91.0821, 88.3901

Protanopia

86.0132, 90.3656, 83.4299

Deuteranopia

88.4235, 90.4619, 95.2385



Tritanopia

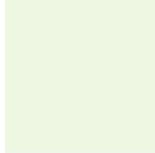
84.9375, 90.6240, 107.6232

Trichromacy



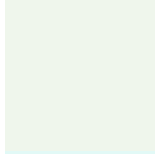
Original Color

76.9069, 91.0821, 88.3901



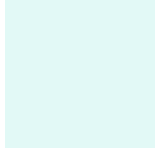
Protanomaly

82.2481, 90.1897, 85.0249



Deuteranomaly

83.6927, 90.3184, 92.3790



Tritanomaly

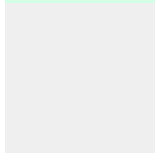
81.8743, 90.5739, 100.3561

Monochromacy



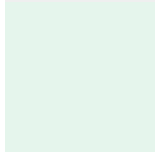
Original Color

76.9069, 91.0821, 88.3901



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1058, 88.0190, 92.1242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9069, 91.0821, 88.3901 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(211, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 230)  
}
```

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(211, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 76.9069, 91.0821, 88.3901 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(211, 255, 230) }
```


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

```
.border{ border-color:rgb(211, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9069, 91.0821, 88.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 230) }
```

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

```
.background{ background-color: rgb(211,  
255, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor