

Converting Colors

XYZ(76.6821, 100.0000,
78.0942)

Have a look what the booklet for
XYZ(76.6821, 100.0000, 78.0942)
contains.

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Color

**XYZ(70.7962, 88.1944,
76.2427)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFD5
RGB	197, 255, 213
RGB Percent	77%, 100%, 84%
CMY	0.2274, 0.0000, 0.1647
CMYK	0.23, 0.00, 0.16, 0.00
HSL	137°, 100%, 89%
HSV	137°, 23%, 100%
XYZ	70.7962, 88.1944, 76.2427
YIQ	232.8700, -21.0860, -25.3580

Conversions

Conversions Part 2

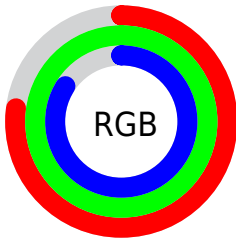
Format	Color
RYB	197, 242, 255
Decimal	12976085
CIELab	95.24, -26.26, 14.20
CIELCh	95, 29.849, 151.597
Yxy	88.1944, 0.3010, 0.3749
Android (android.graphics.Color)	4291166165 (0xFFC5FFD5)
YUV	232.8700, -9.7959, -31.4580
Hunter-Lab	93.9119, -29.7822, 17.6035

Details

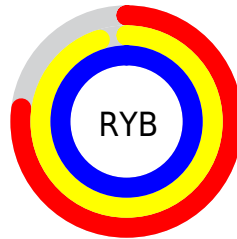
The XYZ color **70.7962, 88.1944, 76.2427** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.7866, 67.4253, 90.6283**, and the grayscale version is **77.4367, 81.4694, 88.7202**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **37.5210, 48.6076, 39.7524** is the 20% darker color. If you saturate the color by 10%, you get **62.4621, 84.1536, 64.3069**, and if you desaturate by 10%, it is **80.5280, 92.9249, 89.6398**.

Distribution



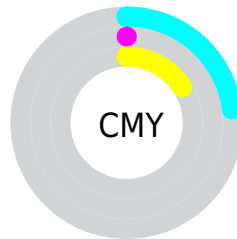
- Red (77%)
- Green (100%)
- Blue (84%)



- Red (77%)
- Yellow (95%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7962, 88.1944, 76.2427 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 70.7962, 88.1944, 76.2427 by changing the saturation by 10% instead.


 70.7962, 88.1944,
76.2427

 70.7962, 88.1944,
76.2427


452.5636,
522.1396, 501.5470

 52.4578, 66.4841,
56.1237


119.3636,
144.8278, 129.8331

 37.5959, 48.6655,
39.8974


150.3233,
180.5196, 164.1417

 25.8450, 34.3542,
27.1454


186.2209,
221.6407, 204.0171

 16.8398, 23.1658,
17.4491

227.4216,
268.5756, 249.8780

 10.2149, 14.7160,
10.3898

274.2909,
321.7085, 302.1429

 5.6050, 8.6203,
5.5492

327.1941,

 2.6448, 4.4944,

381.4239, 361.2304

2.5087

386.4966,
448.1061, 427.5589

■ 0.9688, 1.9538,
0.8447

■ 0.0000, 0.5804,
0.0000

■ 70.7962, 88.1944,
76.2427

■ 70.7962, 88.1944,
76.2427

■ 62.4621, 84.1536,
64.3069

■ 80.5280, 92.9249,
89.6398

■ 55.4580, 80.7686,
53.7785

■ 91.7167, 98.3747,
104.5411

■ 49.7132, 78.0041,
44.6067

■ 95.0500, 100.0000,
108.9000

■ 45.1501, 75.8212,
36.7357

■ 41.6814, 74.1762,
30.1059

■ 39.2076, 73.0190,
24.6530

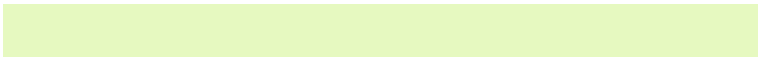
■ 37.6092, 72.2896,
20.3066

■ 36.8765, 71.9666,
17.7996

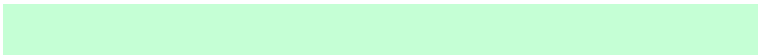
Harmonies

Analogous

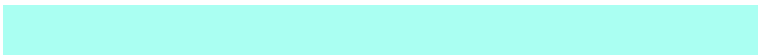
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8886, 88.1944, 62.6799



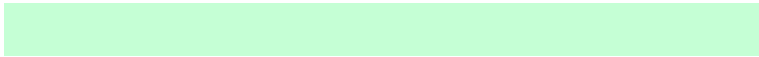
70.7962, 88.1944, 76.2427



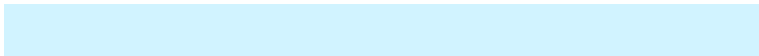
69.1312, 88.1944, 97.2839

Triad

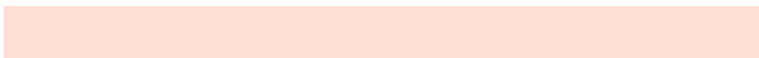
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7962, 88.1944, 76.2427



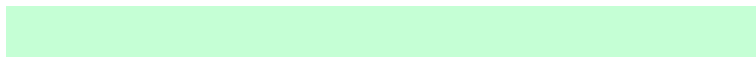
84.2633, 88.1944, 148.1781



97.8794, 88.1944, 74.4016

Complementary

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



70.7962, 88.1944, 76.2427



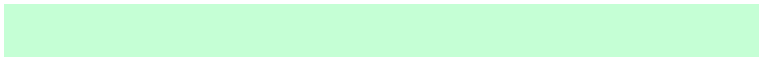
76.7866, 67.4253, 90.6283

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.



100.4686, 88.1944, 94.7843



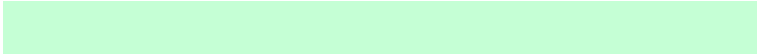
70.7962, 88.1944, 76.2427



92.2987, 88.1944, 139.5012

Square

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



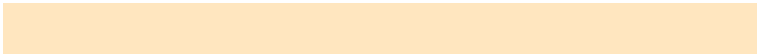
70.7962, 88.1944, 76.2427



76.5981, 88.1944, 141.1104



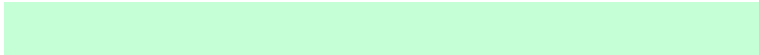
98.3641, 88.1944, 118.9720



91.4951, 88.1944, 61.7442

Rectangle

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



70.7962, 88.1944, 76.2427



70.0968, 88.1944, 113.4945



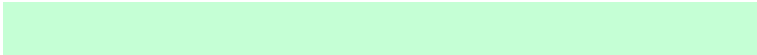
98.3641, 88.1944, 118.9720



99.2404, 88.1944, 80.4535

Sweetspot

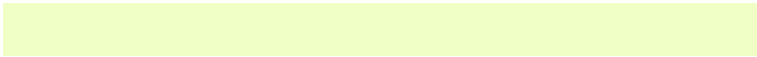
The Sweet Spot groups the original color and five complimentary colors.



70.7969, 88.1948, 76.2441



86.7734, 95.9656, 98.0128



81.6153, 93.9951, 66.6656



18.4277, 20.4698, 20.7854



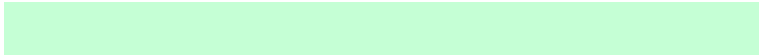
0.0000, 0.0000, 0.0000



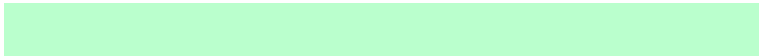
20.3446, 21.4041, 23.3091

Same Dimension

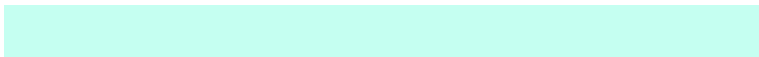
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7969, 88.1948, 76.2441



67.0830, 86.3926, 70.9887



74.7335, 89.7694, 96.9737



17.9774, 20.2505, 20.1842



19.3225, 37.6256, 9.5835



1.9252, 3.6810, 1.1638

Inverse Universe

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



76.7866, 67.4253, 90.6283



73.9717, 62.4975, 87.5258



72.9062, 65.8731, 70.1948



18.5663, 18.2098, 21.5993



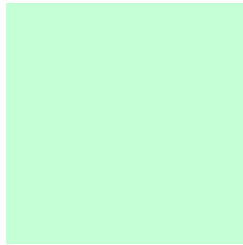
26.1717, 12.9580, 25.3523



2.5945, 1.2802, 2.7120

Previews

White Background



This preview shows how the XYZ color 70.7962, 88.1944, 76.2427 looks on a white background.

Color Contrast Check

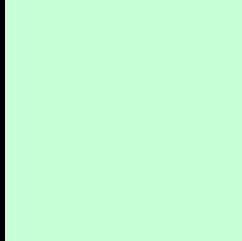
Large Text (above 18pt) WCAG AA × Fail

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 70.7962, 88.1944, 76.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

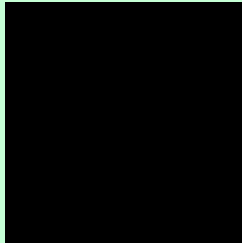
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

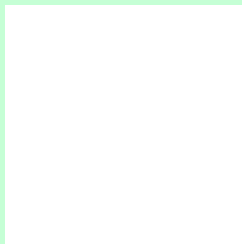
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7962, 88.1944, 76.2427

Background



This preview shows how black text looks on a background with the XYZ color 70.7962, 88.1944, 76.2427.



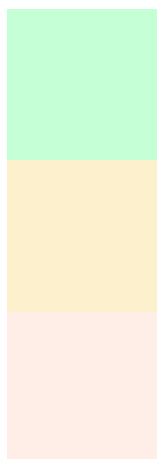
This preview shows how white text looks on a background with the XYZ color 70.7962, 88.1944,

76.2427.

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

70.7962, 88.1944, 76.2427

Protanopia

82.6875, 87.6106, 70.3100

Deuteranopia

85.9480, 87.5979, 87.9794



Tritanopia

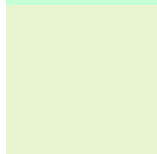
81.1412, 87.7687, 107.2722

Trichromacy



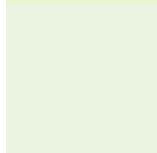
Original Color

70.7962, 88.1944, 76.2427



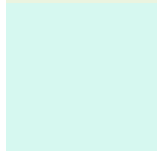
Protanomaly

77.6418, 87.1825, 72.4103



Deuteranomaly

79.7369, 87.5756, 83.2222



Tritanomaly

77.0271, 87.7222, 95.3104

Monochromacy



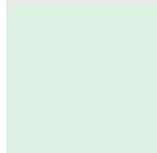
Original Color

70.7962, 88.1944, 76.2427



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6980, 83.6172, 84.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7962, 88.1944, 76.2427 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(197, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 213)  
}
```

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(197, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 70.7962, 88.1944, 76.2427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

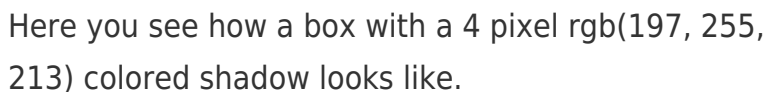
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 213) }
```


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

```
.border{ border-color:rgb(197, 255, 213) }
```

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



Here you see how a box with a 4 pixel rgb(197, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 213); box-shadow:4px 4px 4px 4px rgb(197, 255, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7962, 88.1944, 76.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 213) }
```

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

```
.background{ background-color: rgb(197,  
255, 213) }
```

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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