

Converting Colors

XYZ(85.6439, 105.2158,
91.0082)

Have a look what the booklet for
XYZ(85.6439, 105.2158, 91.0082)
contains.

XYZ(78.9564, 92.1386, 88.4860)	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(78.9564, 92.1386,
88.4860)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFE6
RGB	218, 255, 230
RGB Percent	85%, 100%, 90%
CMY	0.1451, 0.0000, 0.0980
CMYK	0.15, 0.00, 0.10, 0.00
HSL	139°, 100%, 93%
HSV	139°, 15%, 100%
XYZ	78.9564, 92.1386, 88.4860
YIQ	241.0870, -14.0270, -15.6190

Conversions

Conversions Part 2

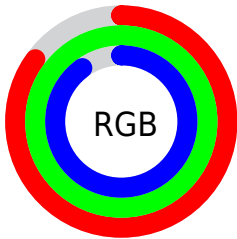
Format	Color
R_{YB}	218, 246, 255
Decimal	14352358
CIE _{Lab}	96.88, -16.51, 7.98
CIE _{LCh}	97, 18.340, 154.219
Yxy	92.1386, 0.3042, 0.3550
Android (android.graphics.Color)	4292542438 (0xFFDAFFE6)
YUV	241.0870, -5.4659, -20.2473
Hunter-Lab	95.9889, -21.1539, 12.5365

Details

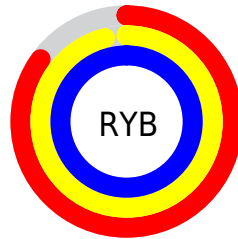
The XYZ color **78.9564, 92.1386, 88.4860** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4895, 77.8748, 95.4776**, and the grayscale version is **83.7268, 88.0871, 95.9268**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0362, 51.2698, 48.1853** is the 20% darker color. If you saturate the color by 10%, you get **69.6069, 87.5847, 76.0365**, and if you desaturate by 10%, it is **89.7198, 97.3938, 102.2530**.

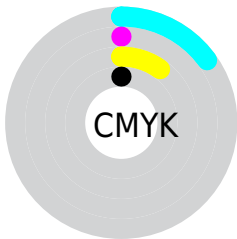
Distribution



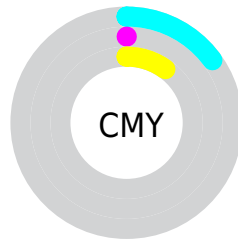
- Red (85%)
- Green (100%)
- Blue (90%)



- Red (85%)
- Yellow (96%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9564, 92.1386, 88.4860 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 78.9564, 92.1386, 88.4860 by changing the saturation by 10% instead.

78.9564, 92.1386,
88.4860

78.9564, 92.1386,
88.4860

480.1991,
534.9634, 543.5360

59.1655, 69.7558,
66.1590

130.8557,
150.3055, 147.1507

42.9932, 51.3274,
47.9442

163.6948,
186.8583, 184.3254

30.0743, 36.4693,
33.4230

201.6140,
228.9032, 227.2865

20.0433, 24.7968,
22.1769

244.9787,
276.8247, 276.4525

12.5350, 15.9258,
13.7874

294.1542,
331.0070, 332.2419

7.1839, 9.4716,
7.8359

349.5059,

3.6247, 5.0501,

391.8346, 395.0732

3.9039

411.3990,
459.6919, 465.3651

■ 1.4921, 2.2767,
1.5727

■ 0.3205, 0.7613,
0.2713

■ 78.9564, 92.1386,
88.4860

■ 78.9564, 92.1386,
88.4860

■ 69.6069, 87.5847,
76.0365

■ 89.7198, 97.3938,
102.2530

■ 61.6086, 83.7005,
64.8612

95.0500, 100.0000,
108.9000

■ 54.8975, 80.4538,
54.9208

■ 49.4032, 77.8093,
46.1724

■ 45.0484, 75.7281,
38.5704

■ 41.7465, 74.1665,
32.0665

■ 39.3976, 73.0739,
26.6085

■ 37.8802, 72.3890,
22.1397

■ 37.3101, 72.1400,
20.0825

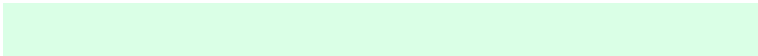
Harmonies

Analogous

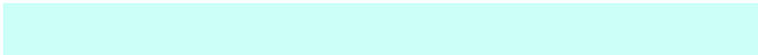
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1228, 92.1386, 78.6501



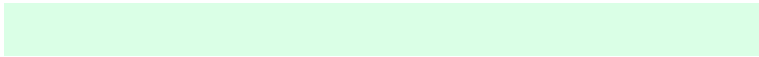
78.9564, 92.1386, 88.4860



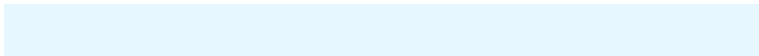
78.0649, 92.1386, 102.4245

Triad

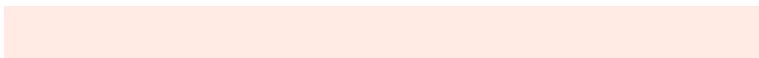
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9564, 92.1386, 88.4860



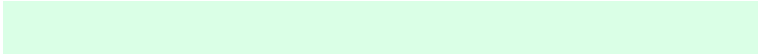
88.3056, 92.1386, 131.3514



96.0221, 92.1386, 85.2033

Complementary

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



78.9564, 92.1386, 88.4860



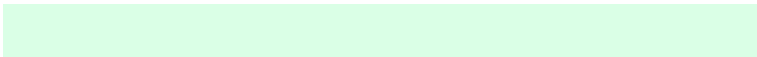
82.4895, 77.8748, 95.4776

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.



97.8277, 92.1386, 98.2509



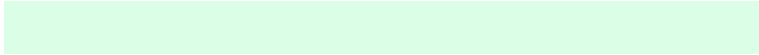
78.9564, 92.1386, 88.4860



93.2633, 92.1386, 125.6517

Square

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



78.9564, 92.1386, 88.4860



83.3378, 92.1386, 128.0920



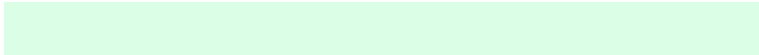
96.7990, 92.1386, 113.1718



91.9533, 92.1386, 76.8892

Rectangle

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



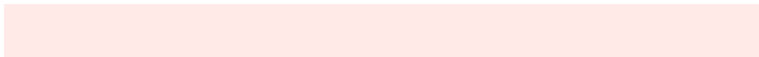
78.9564, 92.1386, 88.4860



78.8500, 92.1386, 112.4143



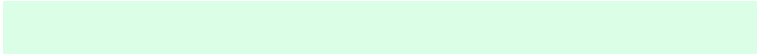
96.7990, 92.1386, 113.1718



96.9210, 92.1386, 89.1319

Sweetspot

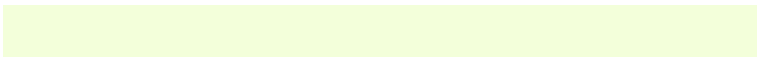
The Sweet Spot groups the original color and five complimentary colors.



78.9572, 92.1390, 88.4875



90.3065, 97.6806, 102.9896



85.4753, 95.6873, 80.2954



19.1440, 20.8171, 21.8113



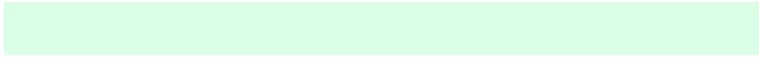
0.0000, 0.0000, 0.0000



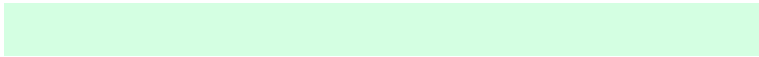
20.3446, 21.4041, 23.3091

Same Dimension

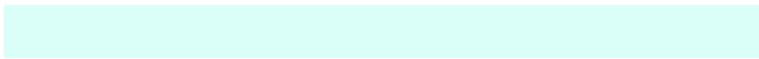
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9572, 92.1390, 88.4875



76.4983, 90.9402, 85.2646



81.6510, 93.2165, 102.6727



18.0144, 20.2653, 20.3788



19.5557, 37.7189, 10.8116



1.9517, 3.6916, 1.3035

Inverse Universe

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



82.4895, 77.8748, 95.4776



80.5643, 74.5194, 93.3094



79.8732, 76.8283, 81.6999



18.5273, 18.1943, 21.3941



25.5258, 12.6996, 21.9514



2.5355, 1.2566, 2.4014

Previews

White Background



This preview shows how the XYZ color 78.9564, 92.1386, 88.4860 looks on a white background.

Color Contrast Check

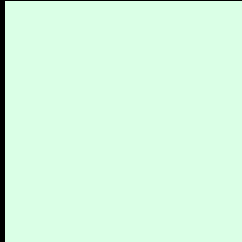
Large Text (above 18pt) WCAG AA × Fail

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 78.9564, 92.1386, 88.4860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

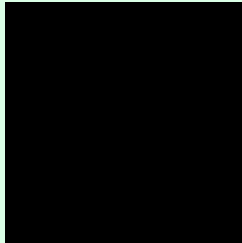
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

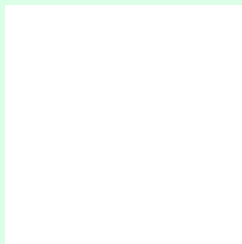
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.9564, 92.1386, 88.4860

Background



This preview shows how black text looks on a background with the XYZ color 78.9564, 92.1386, 88.4860.



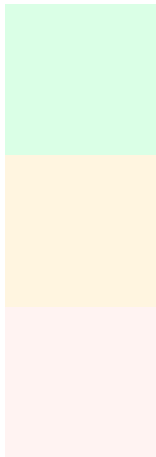
This preview shows how white text looks on a background with the XYZ color 78.9564, 92.1386,

88.4860.

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

78.9564, 92.1386, 88.4860

Protanopia

87.3470, 91.9466, 83.6648

Deuteranopia

89.3176, 91.7720, 97.0106



Tritanopia

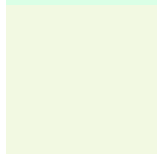
86.5707, 91.9187, 107.7871

Trichromacy



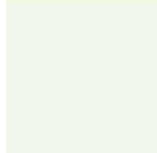
Original Color

78.9564, 92.1386, 88.4860



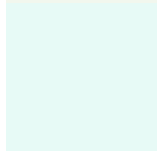
Protanomaly

84.2211, 92.1196, 85.2934



Deuteranomaly

85.3113, 91.5718, 94.0677



Tritanomaly

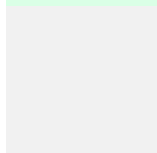
83.7752, 92.0140, 100.5338

Monochromacy



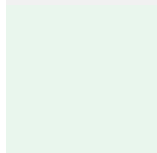
Original Color

78.9564, 92.1386, 88.4860



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.8461, 89.3496, 93.0532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9564, 92.1386, 88.4860 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(218, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 78.9564, 92.1386, 88.4860 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(218, 255, 230) }
```


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

```
.border{ border-color:rgb(218, 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(218, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9564, 92.1386, 88.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 230) }
```

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

```
.background{ background-color: rgb(218,  
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