

# Converting Colors

XYZ(68.4385, 95.2819, 76.4485)

Have a look what the booklet for  
XYZ(68.4385, 95.2819, 76.4485)  
contains.

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# Color

**XYZ(62.8277, 84.1157,  
74.5526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4FFD3
RGB	164, 255, 211
RGB Percent	64%, 100%, 83%
CMY	0.3569, 0.0000, 0.1725
CMYK	0.36, 0.00, 0.17, 0.00
HSL	151°, 100%, 82%
HSV	151°, 36%, 100%
XYZ	62.8277, 84.1157, 74.5526
YIQ	222.7750, -40.1120, -32.9760

# Conversions

## Conversions Part 2

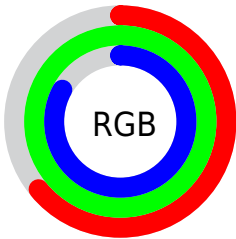
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 224, 255
Decimal	10813395
CIELab	93.50, -36.43, 12.52
CIELCh	94, 38.523, 161.040
Yxy	84.1157, 0.2837, 0.3798
Android (android.graphics.Color)	4289003475 (0xFFA4FFD3)
YUV	222.7750, -5.8051, -51.5457
Hunter-Lab	91.7146, -38.2219, 16.0048

# Details

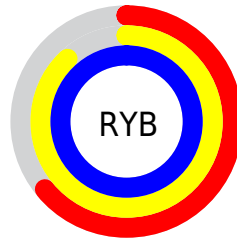
The XYZ color **62.8277, 84.1157, 74.5526** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.9010, 52.3658, 66.3088**, and the grayscale version is **70.0396, 73.6871, 80.2453**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **32.3792, 45.9766, 38.6203** is the 20% darker color. If you saturate the color by 10%, you get **56.5953, 81.0745, 66.4999**, and if you desaturate by 10%, it is **70.2351, 87.7488, 83.2820**.

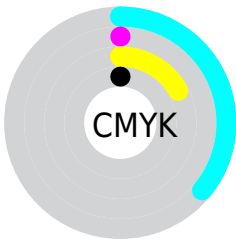
# Distribution



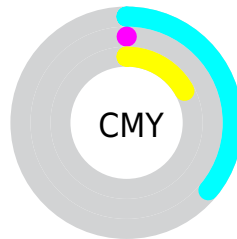
- Red (64%)
- Green (100%)
- Blue (83%)



- Red (64%)
- Yellow (88%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8277, 84.1157, 74.5526 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 62.8277, 84.1157, 74.5526 by changing the saturation by 10% instead.



 62.8277, 84.1157,  
74.5526


 62.8277, 84.1157,  
74.5526


424.6135,  
508.6974, 495.5927

 45.9600, 63.1110,  
54.7469

 108.0041,  
139.1370, 127.4201

 32.4187, 45.9310,  
38.8019


 137.0435,  
173.9224, 161.3190

 21.8386, 32.1914,  
26.2990


170.8708,  
214.0701, 200.7528

 13.8543, 21.5077,  
16.8197

209.8513,  
259.9645, 246.1399

 8.1004, 13.4956,  
9.9454

254.3505,  
311.9900, 297.8989

 4.2116, 7.7707,  
5.2577

304.7337,

 1.8225, 3.9486,

370.5311, 356.4483

2.3378

361.3663,  
435.9721, 422.2068

■ 0.5312, 1.6448,  
0.7523

■ 0.0000, 0.3876,  
0.0000

■ 62.8277, 84.1157,  
74.5526

■ 62.8277, 84.1157,  
74.5526

■ 56.5953, 81.0745,  
66.4999

■ 70.2351, 87.7488,  
83.2820

■ 51.4698, 78.5906,  
59.1027

■ 78.8761, 92.0038,  
92.7001

■ 47.3789, 76.6270,  
52.3449

■ 88.8077, 96.9100,  
102.8238

■ 44.2403, 75.1416,  
46.2076

95.0500, 100.0000,  
108.9000

■ 41.9584, 74.0855,  
40.6711

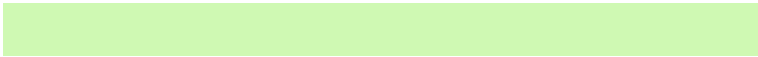
■ 40.4152, 73.3980,  
35.7137

■ 39.9048, 73.1779,  
33.7461

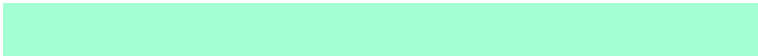
# Harmonies

## Analogous

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



67.7725, 84.1157, 55.4749



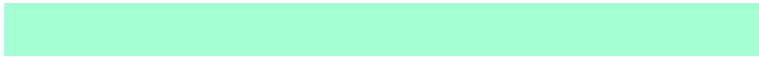
62.8277, 84.1157, 74.5526



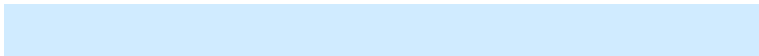
62.2336, 84.1157, 102.7485

# Triad

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



62.8277, 84.1157, 74.5526



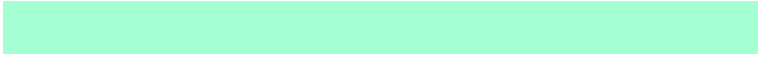
83.7570, 84.1157, 158.3711



95.6425, 84.1157, 59.4880

# Complementary

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



62.8277, 84.1157, 74.5526



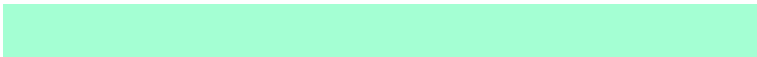
65.9010, 52.3658, 66.3088

# 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.



100.7437, 84.1157, 81.2658



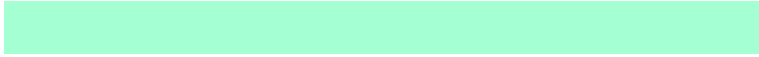
62.8277, 84.1157, 74.5526



93.5040, 84.1157, 140.7168

# Square

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



62.8277, 84.1157, 74.5526



73.7561, 84.1157, 155.5011



99.9294, 84.1157, 111.0382

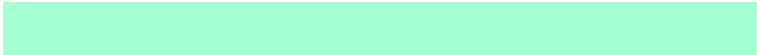


86.4801, 84.1157, 48.1387



# Rectangle

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



62.8277, 84.1157, 74.5526



64.3220, 84.1157, 123.6449



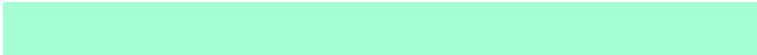
99.9294, 84.1157, 111.0382



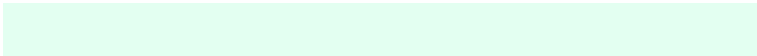
97.9229, 84.1157, 65.6138

# Sweetspot

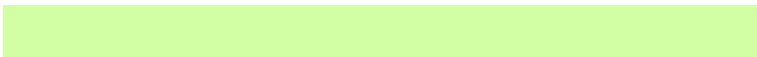
The Sweet Spot groups the original color and five complimentary colors.



62.8284, 84.1160, 74.5540



83.3654, 94.2198, 97.3547



68.8975, 87.8289, 48.4444



17.5593, 20.0265, 20.5462



0.0000, 0.0000, 0.0000

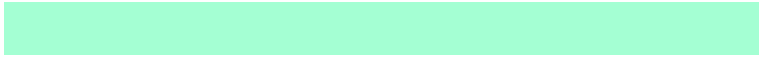


20.3446, 21.4041, 23.3091



# Same Dimension

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



62.8284, 84.1160, 74.5540



58.1576, 81.8351, 68.5975



69.1203, 86.6327, 107.6865



18.1633, 20.3249, 21.1629



20.9270, 38.2674, 18.0326



2.0928, 3.7481, 2.0466



# Inverse Universe

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



65.9010, 52.3658, 66.3088



61.6543, 45.7121, 59.2217



61.2169, 50.4921, 41.6425



18.3753, 18.1334, 20.5934



23.5012, 11.8898, 11.2897

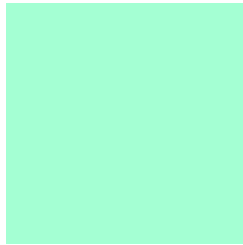


2.3431, 1.1796, 1.3884



# Previews

## White Background



This preview shows how the XYZ color 62.8277, 84.1157, 74.5526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

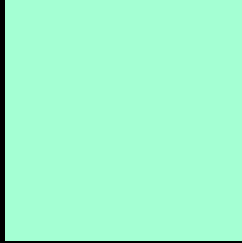
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.8277, 84.1157, 74.5526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

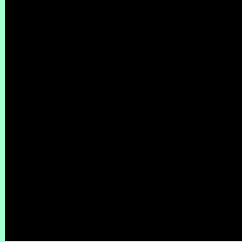
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.8277, 84.1157, 74.5526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8277, 84.1157, 74.5526.



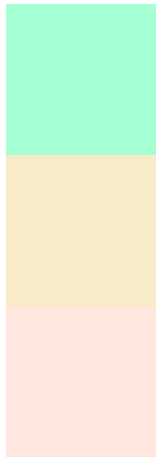
This preview shows how white text looks on a background with the XYZ color 62.8277, 84.1157,

74.5526.

# 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

62.8277, 84.1157, 74.5526

### Protanopia

78.6087, 83.4079, 67.2145

### Deuteranopia

82.8561, 83.1813, 81.5007



## Tritanopia

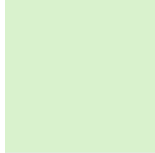
74.4577, 83.8777, 106.8734

# Trichromacy



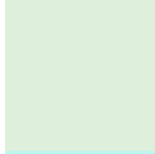
## Original Color

62.8277, 84.1157, 74.5526



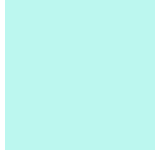
## Protanomaly

71.3868, 82.6638, 69.9508



## Deuteranomaly

73.7769, 82.3771, 79.0297



## Tritanomaly

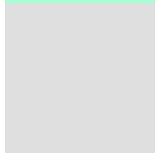
69.5798, 83.4449, 94.1006

# Monochromacy



## Original Color

62.8277, 84.1157, 74.5526



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.8516, 77.0877, 78.3738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8277, 84.1157, 74.5526 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(164, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 211)  
}
```

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(164, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8277, 84.1157, 74.5526 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(164, 255, 211) }
```



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

```
.border{ border-color:rgb(164, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8277, 84.1157, 74.5526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 211) }
```

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

```
.background{ background-color: rgb(164,  
255, 211) }
```

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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