

# Converting Colors

XYZ(61.5133, 83.0274, 93.0427)

Have a look what the booklet for  
XYZ(61.5133, 83.0274, 93.0427)  
contains.

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# Color

**XYZ(61.5273, 83.0377,  
92.9058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFFED
RGB	138, 255, 237
RGB Percent	54%, 100%, 93%
CMY	0.4588, 0.0000, 0.0706
CMYK	0.46, 0.00, 0.07, 0.00
HSL	171°, 100%, 77%
HSV	171°, 46%, 100%
XYZ	61.5273, 83.0377, 92.9058
YIQ	217.9650, -63.9540, -30.4020

# Conversions

## Conversions Part 2

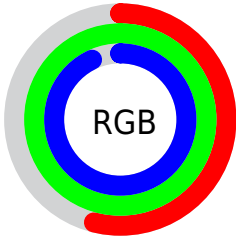
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 201, 255
Decimal	9109485
CIELab	93.03, -37.43, -1.71
CIELCh	93, 37.473, 182.618
Yxy	83.0377, 0.2591, 0.3497
Android (android.graphics.Color)	4287299565 (0xFF8AFFED)
YUV	217.9650, 9.3843, -70.1293
Hunter-Lab	91.1250, -38.9462, 3.3389

# Details

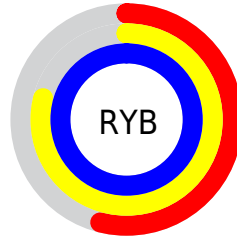
The XYZ color **61.5273, 83.0377, 92.9058** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **56.3301, 41.8386, 36.5604**, and the grayscale version is **66.5857, 70.0533, 76.2880**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **31.5951, 45.3021, 50.7950** is the 20% darker color. If you saturate the color by 10%, you get **57.2257, 80.8856, 89.7464**, and if you desaturate by 10%, it is **66.8337, 85.7063, 96.1806**.

# Distribution



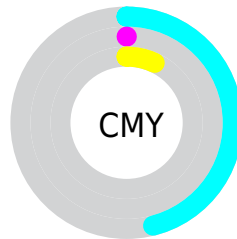
- Red (54%)
- Green (100%)
- Blue (93%)



- Red (54%)
- Yellow (79%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5273, 83.0377, 92.9058 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 61.5273, 83.0377, 92.9058 by changing the saturation by 10% instead.





 61.5273, 83.0377,  
92.9058


 61.5273, 83.0377,  
92.9058


419.9498,  
505.1122, 558.2508

 44.9050, 62.2213,  
69.8060


 106.1359,  
137.6283, 153.3388

 31.5836, 45.2115,  
50.8926


 134.8528,  
172.1712, 191.5090

 21.1976, 31.6241,  
35.7470


168.3321,  
212.0583, 235.5398

 13.3818, 21.0745,  
23.9507

206.9389,  
257.6742, 285.8496

 7.7708, 13.1785,  
15.0852

251.0388,  
309.4031, 342.8571

 3.9992, 7.5516,  
8.7319

300.9970,

 1.7017, 3.8094,

367.6295, 406.9808

4.4723

357.1789,  
432.7377, 478.6392

■ 0.4573, 1.5675,  
1.8879

■ 0.0000, 0.3355,  
0.4850

■ 61.5273, 83.0377,  
92.9058

■ 61.5273, 83.0377,  
92.9058

■ 57.2257, 80.8856,  
89.7464

■ 66.8337, 85.7063,  
96.1806

■ 53.8556, 79.2123,  
86.6942

■ 73.2055, 88.9226,  
99.5696

■ 51.3381, 77.9772,  
83.7465

■ 80.7021, 92.7174,  
103.0776

■ 49.5803, 77.1322,  
80.8986

■ 89.3774, 97.1183,  
106.7074

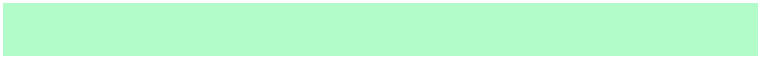
■ 48.4664, 76.6178, 95.0500, 100.0000,  
78.1446 108.9000

■ 48.1252, 76.4661,  
77.0341

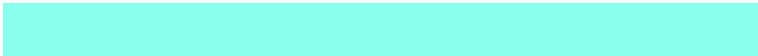
# Harmonies

## Analogous

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



63.3195, 83.0377, 67.7560



61.5273, 83.0377, 92.9058



64.0669, 83.0377, 122.8030

# Triad

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



61.5273, 83.0377, 92.9058



89.5452, 83.0377, 144.0309



87.9304, 83.0377, 50.3993

# Complementary

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



61.5273, 83.0377, 92.9058



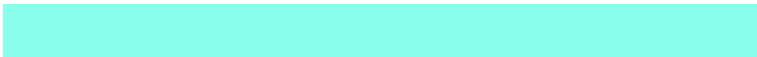
56.3301, 41.8386, 36.5604

# 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.



95.9188, 83.0377, 64.2883



61.5273, 83.0377, 92.9058



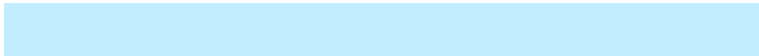
96.9041, 83.0377, 117.6318

# Square

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



61.5273, 83.0377, 92.9058



79.7902, 83.0377, 155.8972



99.3269, 83.0377, 87.9670



78.0658, 83.0377, 46.4425



# Rectangle

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



61.5273, 83.0377, 92.9058



68.0084, 83.0377, 140.5425



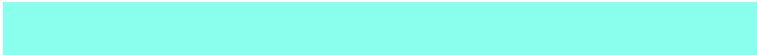
99.3269, 83.0377, 87.9670



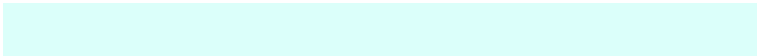
90.9511, 83.0377, 53.8961

# Sweetspot

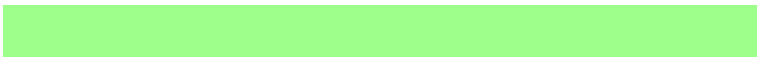
The Sweet Spot groups the original color and five complimentary colors.



61.5283, 83.0382, 92.9073



82.2420, 93.4979, 103.7509



54.3509, 80.5740, 36.7342



17.2258, 19.8211, 22.0417



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

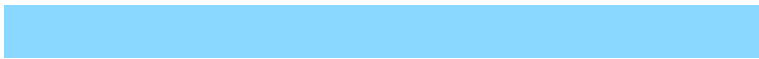
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.5283, 83.0382, 92.9073



57.5661, 81.0554, 90.0203



53.0882, 61.7361, 103.7260



18.4277, 20.4306, 22.5552



25.1917, 39.9733, 40.4906



2.4838, 3.9045, 4.1057



# Inverse Universe

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



56.3301, 41.8386, 36.5604



51.8094, 35.2514, 27.4876



61.5505, 54.5406, 31.3298



18.1233, 18.0326, 19.2662



21.7758, 11.1996, 2.2039

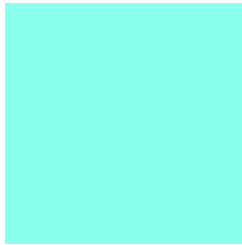


2.1519, 1.1031, 0.3811



# Previews

## White Background



This preview shows how the XYZ color 61.5273, 83.0377, 92.9058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

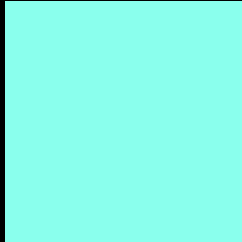
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5273, 83.0377, 92.9058 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 61.5273, 83.0377, 92.9058

## Background



This preview shows how black text looks on a background with the XYZ color 61.5273, 83.0377, 92.9058.



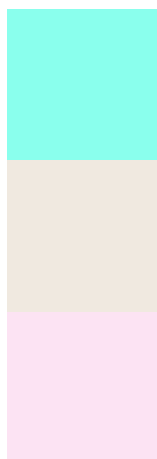
This preview shows how white text looks on a background with the XYZ color 61.5273, 83.0377,



# 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

61.5273, 83.0377, 92.9058

### Protanopia

78.5286, 82.1849, 82.2454

### Deuteranopia

83.7916, 82.1047, 96.2255



## Tritanopia

71.5864, 82.3976, 106.7391

# Trichromacy



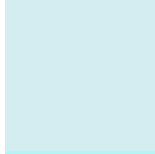
## Original Color

61.5273, 83.0377, 92.9058



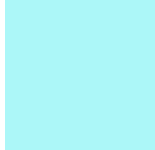
## Protanomaly

70.2268, 81.2642, 86.1130



## Deuteranomaly

73.0253, 80.7681, 94.9601



## Tritanomaly

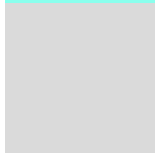
67.2173, 82.0695, 101.1052

# Monochromacy



## Original Color

61.5273, 83.0377, 92.9058



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.1528, 73.4069, 82.0746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5273, 83.0377, 92.9058 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(138, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 237)  
}
```

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(138, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5273, 83.0377, 92.9058 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(138, 255, 237) }
```



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

```
.border{ border-color:rgb(138, 255, 237) }
```

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

Here you see how a box with a 4 pixel rgb(138, 255, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5273, 83.0377, 92.9058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 237) }
```

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

```
.background{ background-color: rgb(138,  
255, 237) }
```

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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