

# Converting Colors

XYZ(61.3495, 83.3178, 76.1027)

Have a look what the booklet for  
XYZ(61.3495, 83.3178, 76.1027)  
contains.

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# Color

**XYZ(61.2878, 83.2927,  
75.7977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFFD5
RGB	155, 255, 213
RGB Percent	61%, 100%, 84%
CMY	0.3921, 0.0000, 0.1647
CMYK	0.39, 0.00, 0.16, 0.00
HSL	155°, 100%, 80%
HSV	155°, 39%, 100%
XYZ	61.2878, 83.2927, 75.7977
YIQ	220.3120, -46.1180, -34.2620

# Conversions

## Conversions Part 2

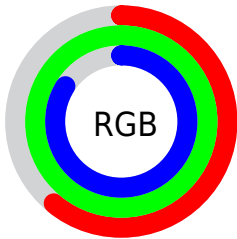
Format	Color
R <sub>YB</sub>	155, 218, 255
Decimal	10223573
CIE <sub>Lab</sub>	93.14, -38.48, 10.92
CIE <sub>LCh</sub>	93, 39.997, 164.152
Yxy	83.2927, 0.2781, 0.3780
Android (android.graphics.Color)	4288413653 (0xFF9BFFD5)
YUV	220.3120, -3.6048, -57.2786
Hunter-Lab	91.2648, -39.8439, 14.6436

# Details

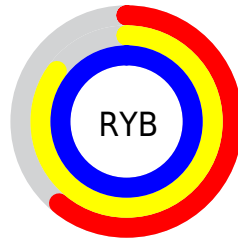
The XYZ color **61.2878, 83.2927, 75.7977** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.0399, 48.7348, 58.9078**, and the grayscale version is **68.2928, 71.8493, 78.2439**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **31.4026, 45.4535, 39.4661** is the 20% darker color. If you saturate the color by 10%, you get **55.5851, 80.5047, 68.6681**, and if you desaturate by 10%, it is **68.1151, 86.6499, 83.4513**.

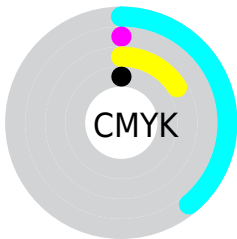
# Distribution



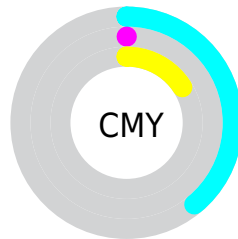
- Red (61%)
- Green (100%)
- Blue (84%)



- Red (61%)
- Yellow (85%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.2878, 83.2927, 75.7977 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 61.2878, 83.2927, 75.7977 by changing the saturation by 10% instead.





 61.2878, 83.2927,  
75.7977

 61.2878, 83.2927,  
75.7977


419.0875,  
505.9615, 499.9833

 44.7109, 62.4316,  
55.7610


 105.7913,  
137.9853, 129.1984

 31.4301, 45.3816,  
39.6086


 134.4486,  
172.5857, 163.3994

 21.0800, 31.7581,  
26.9221


167.8634,  
212.5346, 203.1589

 13.2953, 21.1768,  
17.2828

206.4011,  
258.2165, 248.8955

 7.7106, 13.2533,  
10.2722

250.4270,  
310.0158, 301.0277

 3.9606, 7.6032,  
5.4719

300.3064,

 1.6798, 3.8421,

368.3167, 359.9741

2.4632

356.4048,  
433.5038, 426.1531

■ 0.4436, 1.5856,  
0.8205

■ 0.0000, 0.3479,  
0.0000

■ 61.2878, 83.2927,  
75.7977

■ 61.2878, 83.2927,  
75.7977

■ 55.5851, 80.5047,  
68.6681

■ 68.1151, 86.6499,  
83.4513

■ 50.9374, 78.2505,  
62.0462

■ 76.1262, 90.6069,  
91.6364

■ 47.2707, 76.4920,  
55.9207

■ 85.3789, 95.1933,  
100.3655

■ 44.4995, 75.1854,  
50.2780

95.0500, 100.0000,  
108.9000

■ 42.5228, 74.2789,  
45.1036

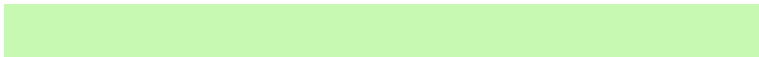
■ 41.1894, 73.6947,  
40.3802

■ 41.0976, 73.6550,  
40.0274

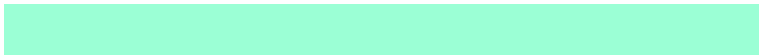
# Harmonies

## Analogous

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



65.9185, 83.2927, 55.2051



61.2878, 83.2927, 75.7977



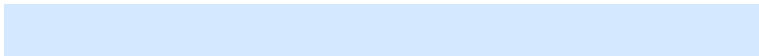
61.1574, 83.2927, 105.5776

# Triad

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



61.2878, 83.2927, 75.7977



84.2073, 83.2927, 159.1170



94.5570, 83.2927, 56.0795

# Complementary

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



61.2878, 83.2927, 75.7977



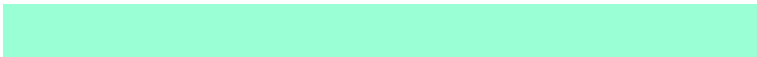
63.0399, 48.7348, 58.9078

# 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.



100.4053, 83.2927, 77.2750



61.2878, 83.2927, 75.7977



94.0818, 83.2927, 138.8337

# Square

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



61.2878, 83.2927, 75.7977



73.7798, 83.2927, 158.4730



100.2241, 83.2927, 107.4189



84.8107, 83.2927, 45.6600



# Rectangle

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



61.2878, 83.2927, 75.7977



63.6050, 83.2927, 127.1839



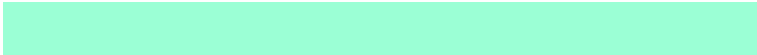
100.2241, 83.2927, 107.4189



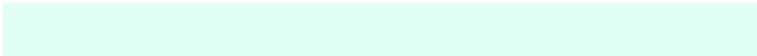
97.0808, 83.2927, 61.9467

# Sweetspot

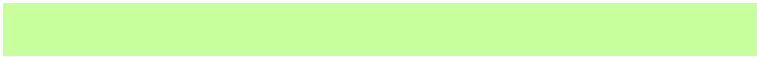
The Sweet Spot groups the original color and five complimentary colors.



61.2886, 83.2930, 75.7991



82.6739, 93.8510, 97.8789



65.0536, 85.9380, 44.1704



17.4314, 19.9570, 20.7037



0.0000, 0.0000, 0.0000

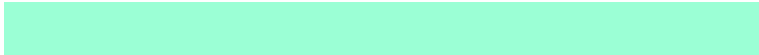


20.3446, 21.4041, 23.3091

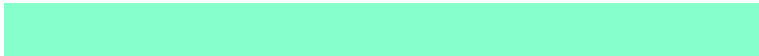


# Same Dimension

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



61.2886, 83.2930, 75.7991



56.7548, 81.0749, 70.2031



65.2381, 81.5289, 106.9060



18.2134, 20.3449, 21.4265



21.5506, 38.5168, 21.3165



2.1529, 3.7721, 2.3629



# Inverse Universe

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



63.0399, 48.7348, 58.9078



58.7333, 42.1532, 51.2091



60.0187, 49.3508, 37.3738



18.3259, 18.1137, 20.3331



23.0087, 11.6928, 8.6964

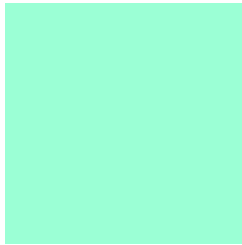


2.2934, 1.1597, 1.1262



# Previews

## White Background



This preview shows how the XYZ color 61.2878, 83.2927, 75.7977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

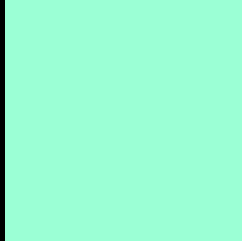
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.2878, 83.2927, 75.7977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

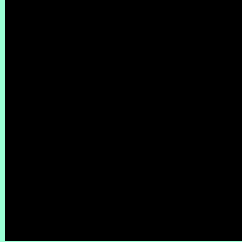
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.2878, 83.2927, 75.7977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.2878, 83.2927, 75.7977.



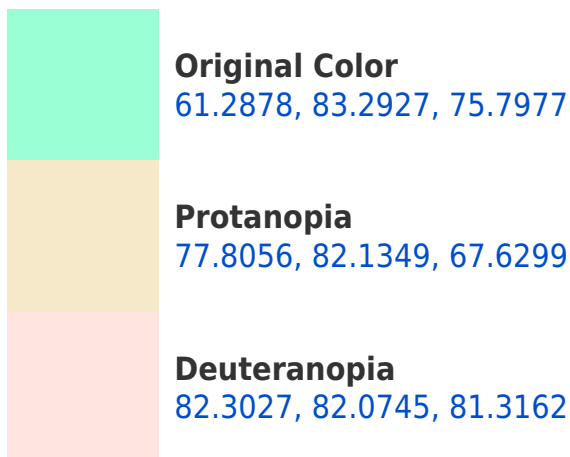
This preview shows how white text looks on a background with the XYZ color 61.2878, 83.2927,

75.7977.

# 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

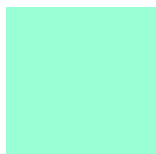




## Tritanopia

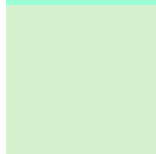
72.8281, 82.5946, 106.7116

# Trichromacy



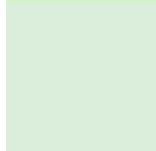
## Original Color

61.2878, 83.2927, 75.7977



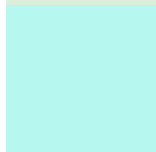
## Protanomaly

70.0364, 81.5130, 70.4348



## Deuteranomaly

72.5741, 81.3236, 78.8898



## Tritanomaly

68.2803, 82.7579, 94.8132

# Monochromacy



## Original Color

61.2878, 83.2927, 75.7977



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

64.4282, 75.0233, 76.7309

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.2878, 83.2927, 75.7977 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(155, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 61.2878, 83.2927, 75.7977 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".

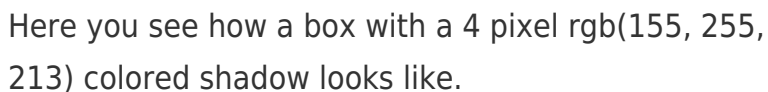
```
.border, #border, table{ border:4px solid rgb(155, 255, 213) }
```



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

```
.border{ border-color:rgb(155, 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(155, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.2878, 83.2927, 75.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 213) }
```

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

```
.background{ background-color: rgb(155,  
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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