

# Converting Colors

XYZ(62.8307, 77.4071,  
102.0732)

Have a look what the booklet for  
XYZ(62.8307, 77.4071, 102.0732)  
contains.

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# Color

**XYZ(62.9121, 77.5745,  
102.1000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DF2FA
RGB	157, 242, 250
RGB Percent	62%, 95%, 98%
CMY	0.3843, 0.0510, 0.0196
CMYK	0.37, 0.03, 0.00, 0.02
HSL	185°, 90%, 80%
HSV	185°, 37%, 98%
XYZ	62.9121, 77.5745, 102.1000
YIQ	217.4970, -53.2280, -15.5320

# Conversions

## Conversions Part 2

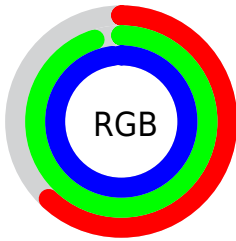
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 201, 250
Decimal	10351354
CIELab	90.59, -23.67, -11.99
CIELCh	91, 26.535, 206.862
Yxy	77.5745, 0.2593, 0.3198
Android (android.graphics.Color)	4288541434 (0xFF9DF2FA)
YUV	217.4970, 16.0240, -53.0559
Hunter-Lab	88.0764, -26.6329, -7.0767

# Details

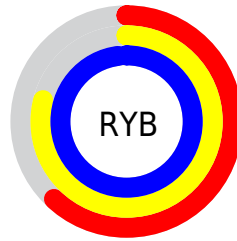
The XYZ color **62.9121, 77.5745, 102.1000** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.9665, 49.6696, 38.3795**, and the grayscale version is **66.2159, 69.6643, 75.8644**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.5520, 41.7222, 57.3764** is the 20% darker color. If you saturate the color by 10%, you get **57.8892, 74.0426, 101.6843**, and if you desaturate by 10%, it is **68.9451, 81.6420, 102.5685**.

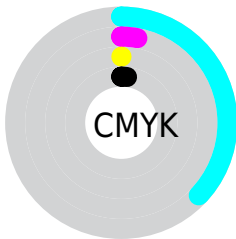
# Distribution



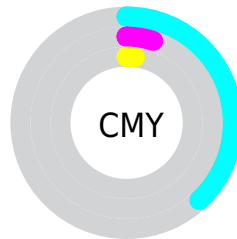
- Red (62%)
- Green (95%)
- Blue (98%)



- Red (62%)
- Yellow (79%)
- Blue (98%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9121, 77.5745, 102.1000 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 62.9121, 77.5745, 102.1000 by changing the saturation by 10% instead.



62.9121, 77.5745,  
102.1000

62.9121, 77.5745,  
102.1000

424.9151,  
486.7206, 588.2088

46.0285, 57.7245,  
77.4289

108.1252,  
129.9501, 166.1171

32.4730, 41.5872,  
57.0913

137.1854,  
163.2446, 206.3001

21.8803, 28.7782,  
40.6687

171.0352,  
201.7893, 252.4908

13.8851, 18.9131,  
27.7425

210.0399,  
245.9686, 305.1077

8.1220, 11.6075,  
17.8943

254.5649,  
296.1670, 364.5695

4.2256, 6.4770,  
10.7055

304.9755,

1.8305, 3.1372,

352.7689, 431.2945

5.7575

361.6372,  
416.1586, 505.7014

■ 0.5360, 1.2038,  
2.6318

■ 0.0000, 0.0648,  
0.9088

■ 62.9121, 77.5745,  
102.1000

■ 62.9121, 77.5745,  
102.1000

■ 57.8892, 74.0426,  
101.6843

■ 68.9451, 81.6420,  
102.5685

■ 53.8080, 71.0054,  
101.3132

■ 76.0373, 86.2649,  
103.0870

■ 50.6029, 68.4310,  
100.9852

■ 84.2429, 91.4731,  
103.6598

■ 48.1967, 66.2794,  
100.6968

■ 92.8691, 96.9093,  
104.2544

■ 46.4986, 64.5039,  
100.4435

■ 93.5431, 98.2574,  
104.4791

■ 45.3916, 63.0441,  
100.2201

■ 94.2248, 99.6207,  
104.7063

■ 45.1375, 62.6660,  
100.1605

■ 94.2556, 99.6822,  
104.7166

# Harmonies

## Analogous

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



61.6971, 77.5745, 82.4783



62.9121, 77.5745, 102.1000



66.9664, 77.5745, 118.9572

# Triad

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



62.9121, 77.5745, 102.1000



84.9559, 77.5745, 106.0875



74.4338, 77.5745, 52.9455

# Complementary

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



62.9121, 77.5745, 102.1000



58.9665, 49.6696, 38.3795

# 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.



80.9391, 77.5745, 57.3825



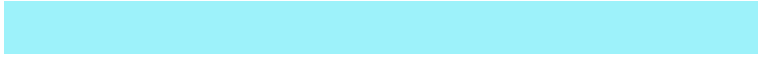
62.9121, 77.5745, 102.1000



87.2388, 77.5745, 86.4843

# Square

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



62.9121, 77.5745, 102.1000



79.6569, 77.5745, 121.4916



85.7269, 77.5745, 68.9882



68.1089, 77.5745, 55.8485

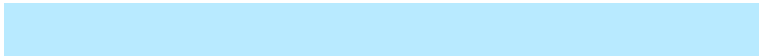


# Rectangle

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



62.9121, 77.5745, 102.1000



70.8663, 77.5745, 125.3419



85.7269, 77.5745, 68.9882



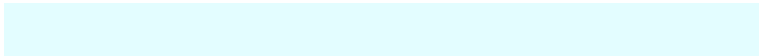
76.6745, 77.5745, 53.6096

# Sweetspot

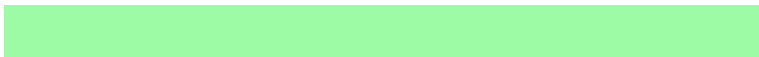
The Sweet Spot groups the original color and five complimentary colors.



62.9144, 77.5776, 102.1018



84.7081, 93.5334, 108.1969



54.8607, 78.2484, 47.6920



17.8800, 19.8608, 23.1411



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

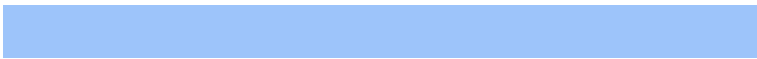
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9144, 77.5776, 102.1018



61.5998, 78.2019, 106.4556



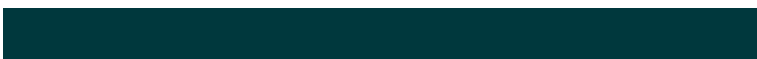
50.8453, 53.4393, 98.0788



17.6307, 19.3382, 22.1887



23.9954, 33.3464, 53.1454



2.2588, 3.1613, 4.9343



# Inverse Universe

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



67.5102, 50.8507, 90.2648



67.1563, 46.6900, 91.9645



68.8682, 69.4729, 41.6801



17.9249, 17.4973, 21.4601



28.4038, 13.7772, 40.4304

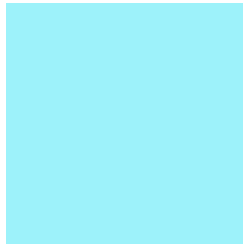


2.6491, 1.2834, 3.8414



# Previews

## White Background



This preview shows how the XYZ color 62.9121, 77.5745, 102.1000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

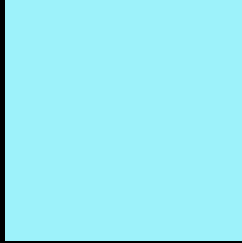
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9121, 77.5745, 102.1000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

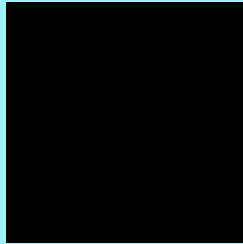
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.9121, 77.5745, 102.1000

## Background



This preview shows how black text looks on a background with the XYZ color 62.9121, 77.5745, 102.1000.



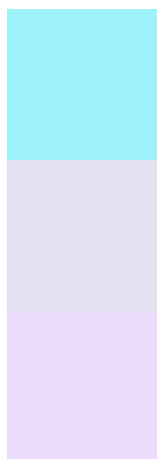
This preview shows how white text looks on a background with the XYZ color 62.9121, 77.5745,



# 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

62.9121, 77.5745, 102.1000

### Protanopia

74.6031, 77.0149, 93.3714

### Deuteranopia

78.3379, 76.7015, 104.4420



## Tritanopia

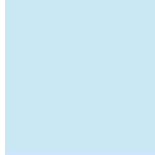
65.6378, 77.1397, 106.0377

# Trichromacy



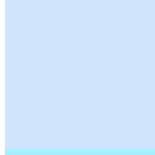
## Original Color

62.9121, 77.5745, 102.1000



## Protanomaly

69.5429, 76.8014, 96.7468



## Deuteranomaly

71.4811, 76.3959, 103.9069



## Tritanomaly

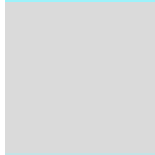
64.5325, 77.0403, 104.3976

# Monochromacy



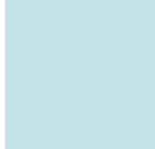
## Original Color

62.9121, 77.5745, 102.1000



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

64.5170, 72.3871, 85.4346

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9121, 77.5745, 102.1000 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(157, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(157, 242, 250)  
}
```

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(157, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 242, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9121, 77.5745, 102.1000 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(157, 242, 250) }
```



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

```
.border{ border-color:rgb(157, 242, 250) }
```

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

Here you see how a box with a 4 pixel rgb(157, 242, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(157, 242,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9121, 77.5745, 102.1000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 242, 250) }
```

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

```
.background{ background-color: rgb(157,  
242, 250) }
```

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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