

# Converting Colors

XYZ(62.6724, 76.8534,  
103.0197)

Have a look what the booklet for  
XYZ(62.6724, 76.8534, 103.0197)  
contains.

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# **Color**

**XYZ(62.7725, 77.0437,  
102.8293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DF1FB
RGB	157, 241, 251
RGB Percent	62%, 95%, 98%
CMY	0.3843, 0.0549, 0.0157
CMYK	0.37, 0.04, 0.00, 0.02
HSL	186°, 92%, 80%
HSV	186°, 37%, 98%
XYZ	62.7725, 77.0437, 102.8293
YIQ	217.0240, -53.2740, -14.6980

# Conversions

## Conversions Part 2

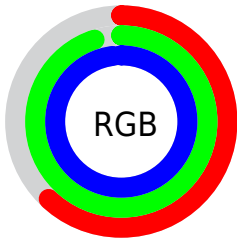
Format	Color
<b>RYB</b>	157, 201, 251
Decimal	10351099
CIELab	90.34, -22.94, -12.87
CIELCh	90, 26.310, 209.298
Yxy	77.0437, 0.2587, 0.3175
Android (android.graphics.Color)	4288541179 (0xFF9DF1FB)
YUV	217.0240, 16.7502, -52.6410
Hunter-Lab	87.7745, -25.9501, -8.0170

# Details

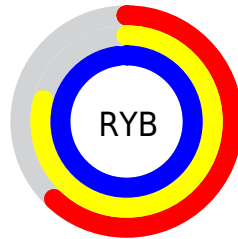
The XYZ color **62.7725, 77.0437, 102.8293** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.6894, 50.5820, 38.5175**, and the grayscale version is **65.8867, 69.3179, 75.4872**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.4548, 41.3474, 57.9001** is the 20% darker color. If you saturate the color by 10%, you get **57.5856, 73.2070, 102.3635**, and if you desaturate by 10%, it is **68.9815, 81.4282, 103.3497**.

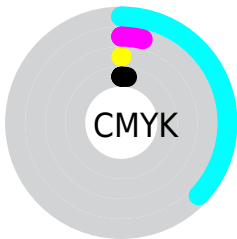
# Distribution



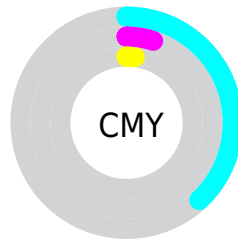
- Red (62%)
- Green (95%)
- Blue (98%)



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



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7725, 77.0437, 102.8293 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 62.7725, 77.0437, 102.8293 by changing the saturation by 10% instead.



62.7725, 77.0437,  
102.8293

62.7725, 77.0437,  
102.8293

424.4162,  
484.9130, 590.5501

45.9151, 57.2887,  
78.0355

107.9249,  
129.2012, 167.1256

32.3832, 41.2371,  
57.5865

136.9506,  
162.3725, 207.4651

21.8113, 28.5044,  
41.0638

170.7632,  
200.7847, 253.8236

13.8342, 18.7062,  
28.0489

209.7280,  
244.8222, 306.6197

8.0863, 11.4582,  
18.1231

254.2103,  
294.8694, 366.2718

4.2025, 6.3759,  
10.8681

304.5756,

1.8173, 3.0750,

351.3106, 433.1986

5.8651

361.1891,  
414.5304, 507.8185

■ 0.5281, 1.1710,  
2.6958

■ 0.0000, 0.0378,  
0.9413

■ 62.7725, 77.0437,  
102.8293

■ 62.7725, 77.0437,  
102.8293

■ 57.5856, 73.2070,  
102.3635

■ 68.9815, 81.4282,  
103.3497

■ 53.3518, 69.8769,  
101.9438

■ 76.2625, 86.3807,  
103.9218

■ 50.0044, 67.0209,  
101.5690

■ 84.6703, 91.9314,  
104.5501

■ 47.4652, 64.5985,  
101.2352

■ 93.3637, 97.6468,  
105.1951

■ 45.6421, 62.5621,  
100.9383

■ 94.2066, 99.3326,  
105.4761

■ 44.4146, 60.8496,  
100.6724

■ 94.4129, 99.7451,  
105.5448

■ 44.1507, 60.4408,  
100.6074

# Harmonies

## Analogous

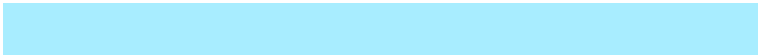
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.3291, 77.0437, 83.4460



62.7725, 77.0437, 102.8293



66.9766, 77.0437, 118.9270

# Triad

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



62.7725, 77.0437, 102.8293



84.6137, 77.0437, 103.7092



73.3823, 77.0437, 52.7111

# Complementary

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



62.7725, 77.0437, 102.8293



59.6894, 50.5820, 38.5175

# 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.



79.8562, 77.0437, 56.5102



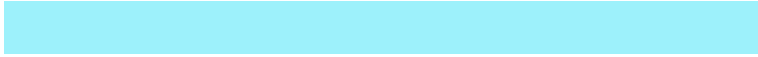
62.7725, 77.0437, 102.8293



86.5737, 77.0437, 84.3306

# Square

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



62.7725, 77.0437, 102.8293



79.5732, 77.0437, 119.4860



84.7838, 77.0437, 67.4275



67.2289, 77.0437, 56.1710

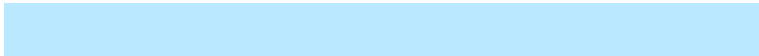


# Rectangle

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



62.7725, 77.0437, 102.8293



70.9111, 77.0437, 124.6103



84.7838, 77.0437, 67.4275



75.5943, 77.0437, 53.1713

# Sweetspot

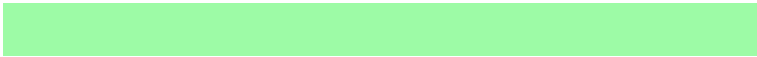
The Sweet Spot groups the original color and five complimentary colors.



62.7748, 77.0467, 102.8311



84.5284, 93.1740, 108.1370



55.3232, 78.9319, 48.5905



17.8368, 19.7746, 23.1267



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.



62.7748, 77.0467, 102.8311



60.8968, 76.7959, 106.2212



50.7446, 52.9862, 98.8210



17.5989, 19.2746, 22.1781



23.2720, 31.8996, 52.9042



2.1993, 3.0422, 4.9145



# Inverse Universe

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



67.7197, 50.9760, 89.4925



66.8014, 46.5480, 90.0959



69.7661, 70.7353, 41.8763



17.9088, 17.4909, 21.3756



28.0387, 13.6312, 38.5076

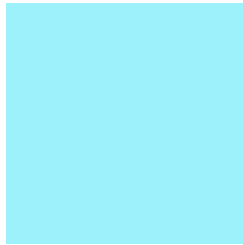


2.6190, 1.2713, 3.6831



# Previews

## White Background



This preview shows how the XYZ color 62.7725, 77.0437, 102.8293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

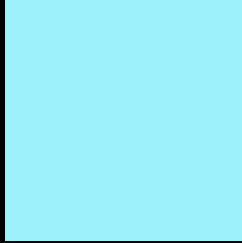
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7725, 77.0437, 102.8293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

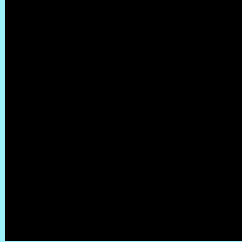
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.7725, 77.0437, 102.8293

## Background



This preview shows how black text looks on a background with the XYZ color 62.7725, 77.0437, 102.8293.



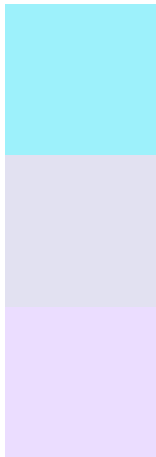
This preview shows how white text looks on a background with the XYZ color 62.7725, 77.0437,



# 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

62.7725, 77.0437, 102.8293

### Protanopia

74.1664, 76.3701, 94.0510

### Deuteranopia

78.1674, 76.5951, 105.2722



## **Tritanopia**

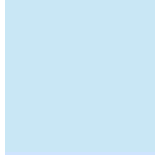
65.2021, 76.9151, 106.0173

# Trichromacy



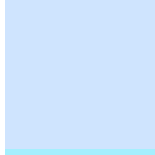
## Original Color

62.7725, 77.0437, 102.8293



## Protanomaly

69.1447, 76.1619, 97.4426



## Deuteranomaly

71.3649, 75.9080, 104.6563



## Tritanomaly

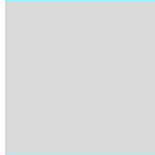
64.2729, 76.8881, 105.2193

# Monochromacy



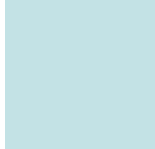
## Original Color

62.7725, 77.0437, 102.8293



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

63.8449, 71.6520, 84.5940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7725, 77.0437, 102.8293 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, 241, 251)` looks like.

```
.text, #text, p{  
    color:rgb(157, 241, 251)  
}
```

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, 241, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 241, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7725, 77.0437, 102.8293 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, 241, 251) }
```



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

```
.border{ border-color:rgb(157, 241, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 241, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 241, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 241, 251);  
box-shadow:4px 4px 4px 4px rgb(157, 241,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7725, 77.0437, 102.8293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 241, 251) }
```

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

```
.background{ background-color: rgb(157,  
241, 251) }
```

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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