

# Converting Colors

XYZ(62.6558, 76.3165, 93.0823)

Have a look what the booklet for  
XYZ(62.6558, 76.3165, 93.0823)  
contains.

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# **Color**

**XYZ(62.5949, 76.2898,  
93.0877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8EFEF
RGB	168, 239, 239
RGB Percent	66%, 94%, 94%
CMY	0.3412, 0.0627, 0.0627
CMYK	0.30, 0.00, 0.00, 0.06
HSL	180°, 69%, 80%
HSV	180°, 30%, 94%
XYZ	62.5949, 76.2898, 93.0877
YIQ	217.7710, -42.3160, -15.0520

# Conversions

## Conversions Part 2

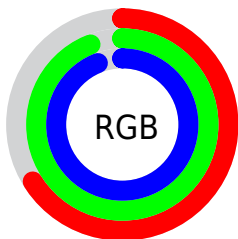
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 204, 239
Decimal	11071471
CIELab	89.99, -21.86, -7.07
CIELCh	90, 22.971, 197.930
Yxy	76.2898, 0.2698, 0.3289
Android (android.graphics.Color)	4289261551 (0xFFA8EFEF)
YUV	217.7710, 10.4659, -43.6492
Hunter-Lab	87.3440, -24.9304, -2.0480

# Details

The XYZ color **62.5949, 76.2898, 93.0877** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.6697, 49.1853, 43.5555**, and the grayscale version is **66.4357, 69.8955, 76.1162**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **32.2908, 40.7966, 50.9724** is the 20% darker color. If you saturate the color by 10%, you get **57.9674, 73.9062, 92.8721**, and if you desaturate by 10%, it is **68.1620, 79.1616, 93.3506**.

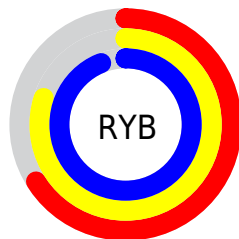
# Distribution



Red (66%)

Green (94%)

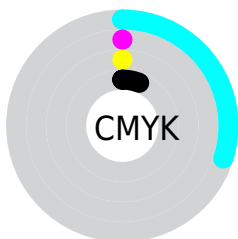
Blue (94%)



Red (66%)

Yellow (80%)

Blue (94%)

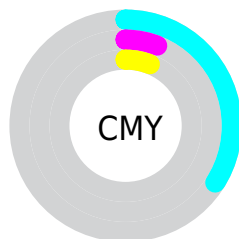


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (34%)

Magenta (6%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5949, 76.2898, 93.0877 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 62.5949, 76.2898, 93.0877 by changing the saturation by 10% instead.



62.5949, 76.2898,  
93.0877

62.5949, 76.2898,  
93.0877

423.7809,  
482.3392, 558.8518

45.7710, 56.6702,  
69.9563

107.6700,  
128.1365, 153.5928

32.2690, 40.7405,  
51.0143

136.6518,  
161.1323, 191.8036

21.7236, 28.1164,  
35.8432

170.4170,  
199.3557, 235.8779

13.7694, 18.4134,  
24.0244

209.3309,  
243.1909, 286.2344

8.0411, 11.2472,  
15.1394

253.7589,  
293.0225, 343.2914

4.1733, 6.2334,  
8.7695

304.0663,

1.8006, 2.9875,

349.2348, 407.4677

4.4964

360.6185,  
412.2123, 479.1816

■ 0.5180, 1.1252,  
1.9014

■ 0.0000, 0.0000,  
0.4936

■ 62.5949, 76.2898,  
93.0877

■ 62.5949, 76.2898,  
93.0877

■ 57.9674, 73.9062,  
92.8721

■ 68.1620, 79.1616,  
93.3506

■ 54.2216, 71.9751,  
92.6961


■ 74.7093, 82.5369,  
93.6577


■ 51.3033, 70.4707,  
92.5588


■ 82.2833, 86.4414,  
94.0129


■ 49.1500, 69.3607,  
92.4573


■ 87.6886, 89.2279,  
94.2665


 47.6900, 68.6080,  
92.3883


 87.6887, 89.2280,  
94.2673


 46.8383, 68.1690,  
92.3477


 87.6889, 89.2280,  
94.2680

 46.4559, 67.9718,  
92.3291

 87.6890, 89.2281,  
94.2687

 46.4471, 67.9673,  
92.3287

 87.6891, 89.2281,  
94.2694

 87.6893, 89.2282,  
94.2701

# Harmonies

## Analogous

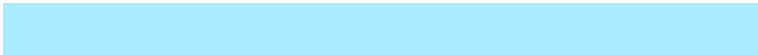
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.3329, 76.2898, 76.6873



62.5949, 76.2898, 93.0877



65.4269, 76.2898, 108.5561

# Triad

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



62.5949, 76.2898, 93.0877



80.9370, 76.2898, 105.8719



74.8224, 76.2898, 56.0463

# Complementary

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



62.5949, 76.2898, 93.0877



56.6697, 49.1853, 43.5555

# 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.



80.0892, 76.2898, 61.9164



62.5949, 76.2898, 93.0877



83.7412, 76.2898, 89.7903

# Square

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



62.5949, 76.2898, 93.0877



75.9306, 76.2898, 116.5752



83.4230, 76.2898, 73.7919



69.1959, 76.2898, 56.6863

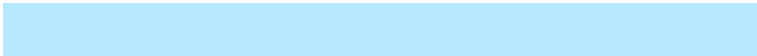


# Rectangle

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



62.5949, 76.2898, 93.0877



68.4787, 76.2898, 115.6077



83.4230, 76.2898, 73.7919



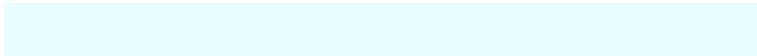
76.6989, 76.2898, 57.2883

# Sweetspot

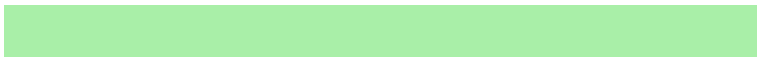
The Sweet Spot groups the original color and five complimentary colors.



62.5971, 76.2929, 93.0894



87.1048, 95.9041, 108.5274



54.3382, 73.0185, 48.2773



18.3888, 20.3959, 23.2174



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.



62.5971, 76.2929, 93.0894



68.9547, 86.5474, 107.6758



53.4863, 58.0705, 90.0545



16.2474, 17.9290, 20.3258



25.6666, 37.5587, 51.0208



2.1352, 3.1245, 4.2445



# Inverse Universe

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



56.6697, 49.1853, 43.5555



61.0018, 50.1771, 41.2160



63.8621, 63.5703, 45.9517



15.7729, 15.7589, 16.3603



19.6715, 10.1410, 0.9208

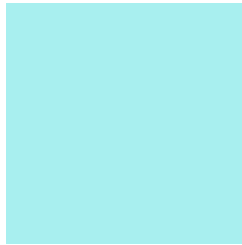


1.6365, 0.8436, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 62.5949, 76.2898, 93.0877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

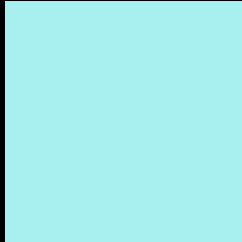
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5949, 76.2898, 93.0877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

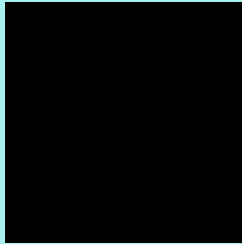
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.5949, 76.2898, 93.0877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5949, 76.2898, 93.0877.



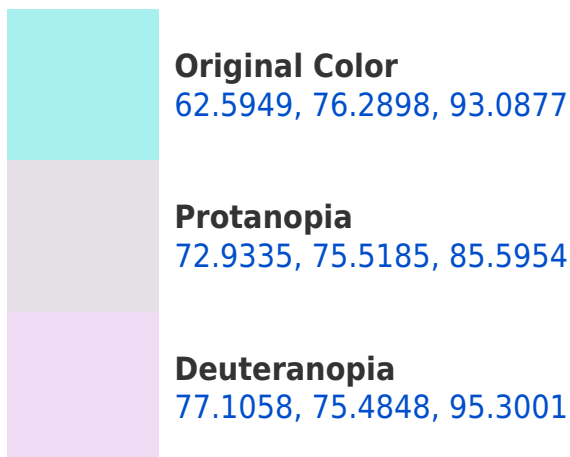
This preview shows how white text looks on a background with the XYZ color 62.5949, 76.2898,



# 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

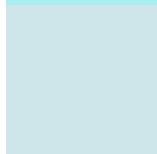
65.2790, 76.0951, 105.8550

# Trichromacy



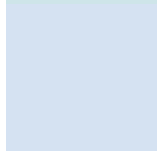
## Original Color

62.5949, 76.2898, 93.0877



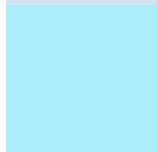
## Protanomaly

68.1809, 75.0436, 87.9821



## Deuteranomaly

70.6639, 74.9497, 94.7467



## Tritanomaly

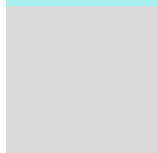
64.1777, 76.0659, 100.9222

# Monochromacy



## Original Color

62.5949, 76.2898, 93.0877



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

64.7432, 72.1631, 82.4680

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5949, 76.2898, 93.0877 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(168, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(168, 239, 239)  
}
```

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(168, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 239, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5949, 76.2898, 93.0877 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(168, 239, 239) }
```



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

```
.border{ border-color:rgb(168, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(168, 239,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5949, 76.2898, 93.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 239, 239) }
```

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

```
.background{ background-color: rgb(168,  
239, 239) }
```

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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