

# Converting Colors

XYZ(62.6882, 77.8401, 92.9923)

Have a look what the booklet for  
XYZ(62.6882, 77.8401, 92.9923)  
contains.

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# Color

**XYZ(62.4946, 77.5698,  
92.5676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4F2EE
RGB	164, 242, 238
RGB Percent	64%, 95%, 93%
CMY	0.3568, 0.0510, 0.0667
CMYK	0.32, 0.00, 0.02, 0.05
HSL	177°, 75%, 80%
HSV	177°, 32%, 95%
XYZ	62.4946, 77.5698, 92.5676
YIQ	218.2220, -45.2040, -17.7800

# Conversions

## Conversions Part 2

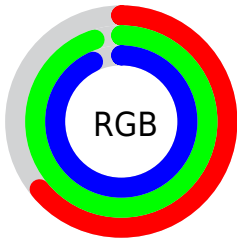
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 204, 242
Decimal	10810094
CIELab	90.58, -24.63, -5.70
CIELCh	91, 25.280, 193.033
Yxy	77.5698, 0.2686, 0.3334
Android (android.graphics.Color)	4289000174 (0xFFA4F2EE)
YUV	218.2220, 9.7506, -47.5527
Hunter-Lab	88.0737, -27.4705, -0.6636

# Details

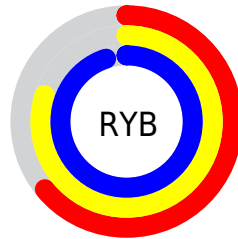
The XYZ color **62.4946, 77.5698, 92.5676** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.9640, 48.2576, 43.3611**, and the grayscale version is **66.7527, 70.2290, 76.4794**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **32.3091, 41.7464, 50.6110** is the 20% darker color. If you saturate the color by 10%, you get **57.7865, 75.1656, 91.3997**, and if you desaturate by 10%, it is **68.1588, 80.4706, 93.7902**.

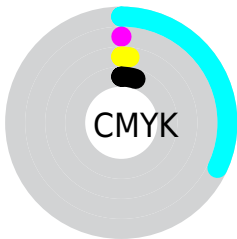
# Distribution



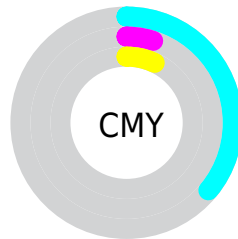
- Red (64%)
- Green (95%)
- Blue (93%)



- Red (64%)
- Yellow (80%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (36%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4946, 77.5698, 92.5676 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 62.4946, 77.5698, 92.5676 by changing the saturation by 10% instead.





 62.4946, 77.5698,  
92.5676


 62.4946, 77.5698,  
92.5676


423.4218,  
486.7046, 557.1324

 45.6896, 57.7207,  
69.5265


 107.5260,  
129.9435, 152.8663

 32.2045, 41.5841,  
50.6662


 136.4830,  
163.2368, 190.9611

 21.6741, 28.7758,  
35.5681


170.2214,  
201.7804, 234.9108

 13.7329, 18.9113,  
23.8138

209.1066,  
245.9585, 285.1339

 8.0156, 11.6062,  
14.9846

253.5039,  
296.1555, 342.0491

 4.1568, 6.4761,  
8.6621

303.7786,

 1.7912, 3.1367,

352.7560, 406.0749

4.4277

360.2961,  
416.1442, 477.6298

■ 0.5124, 1.2035,  
1.8628

■ 0.0000, 0.0646,  
0.4689

■ 62.4946, 77.5698,  
92.5676

■ 62.4946, 77.5698,  
92.5676

■ 57.7865, 75.1656,  
91.3997

■ 68.1588, 80.4706,  
93.7902

■ 53.9735, 73.2208,  
90.2785


■ 74.8219, 83.8843,  
95.0644


■ 50.9986, 71.7079,  
89.2032


■ 82.5327, 87.8379,  
96.3943


■ 48.7949, 70.5925,  
88.1704


■ 89.1664, 91.2361,  
97.6804


 47.2858, 69.8349,  
87.1767

 89.3546, 91.3114,  
98.6714


 46.3785, 69.3875,  
86.2176

 89.5441, 91.3871,  
99.6691

 45.9782, 69.1968,  
85.4913

 89.7349, 91.4634,  
100.6736

 89.9269, 91.5403,  
101.6848

 90.1202, 91.6176,  
102.7027

# Harmonies

## Analogous

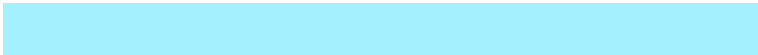
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6884, 77.5698, 74.6914



62.4946, 77.5698, 92.5676



65.1843, 77.5698, 110.5505

# Triad

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



62.4946, 77.5698, 92.5676



82.3494, 77.5698, 112.5871



77.3368, 77.5698, 55.3150

# Complementary

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



62.4946, 77.5698, 92.5676



56.9640, 48.2576, 43.3611

# 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.



82.9869, 77.5698, 62.8364



62.4946, 77.5698, 92.5676



85.9925, 77.5698, 95.0459

# Square

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



62.4946, 77.5698, 92.5676



76.5068, 77.5698, 123.1739



86.2323, 77.5698, 76.8408



71.0169, 77.5698, 54.8494

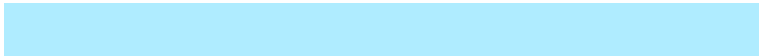


# Rectangle

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



62.4946, 77.5698, 92.5676



68.3451, 77.5698, 119.4920



86.2323, 77.5698, 76.8408



79.3858, 77.5698, 57.0468

# Sweetspot

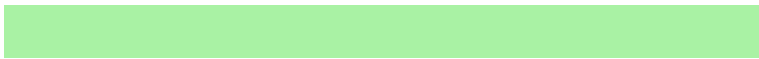
The Sweet Spot groups the original color and five complimentary colors.



62.4969, 77.5729, 92.5694



86.0729, 95.3964, 107.3839



54.8605, 74.6449, 46.6400



18.1739, 20.2910, 22.9401



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.



62.4969, 77.5729, 92.5694



66.6225, 85.4388, 103.3375



53.9439, 59.5152, 92.6523



16.2103, 17.9141, 20.1302



24.7149, 37.1780, 46.0091



2.0667, 3.0971, 3.8838



# Inverse Universe

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



56.9640, 48.2576, 43.3611



59.4556, 47.4472, 39.5827



63.4699, 61.8570, 43.7180



15.8057, 15.7720, 16.5329



19.7231, 10.1617, 1.1924

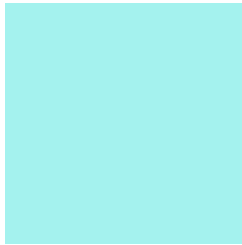


1.6523, 0.8499, 0.1596



# Previews

## White Background



This preview shows how the XYZ color 62.4946, 77.5698, 92.5676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

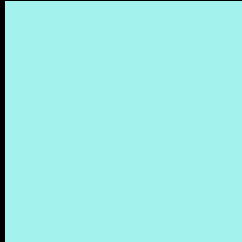
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.4946, 77.5698, 92.5676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

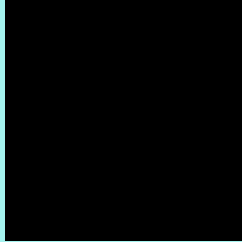
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.4946, 77.5698, 92.5676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4946, 77.5698, 92.5676.



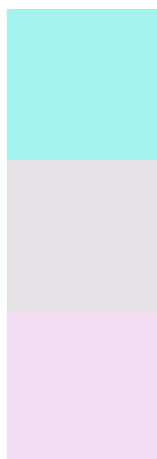
This preview shows how white text looks on a background with the XYZ color 62.4946, 77.5698,

92.5676.

# 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

62.4946, 77.5698, 92.5676

### Protanopia

73.9723, 76.8728, 85.0679

### Deuteranopia

78.6521, 77.0612, 95.5229



## Tritanopia

66.5290, 77.5992, 106.0794

# Trichromacy



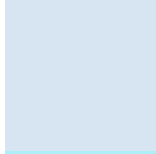
## Original Color

62.4946, 77.5698, 92.5676



## Protanomaly

68.8757, 76.6612, 87.5109



## Deuteranomaly

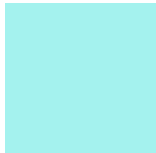
71.6281, 76.6856, 94.2457



## Tritanomaly

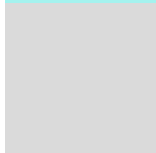
64.9786, 77.3432, 101.1265

# Monochromacy



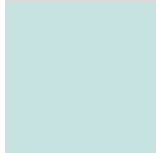
## Original Color

62.4946, 77.5698, 92.5676



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

64.3484, 72.3802, 81.8134

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4946, 77.5698, 92.5676 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(164, 242, 238)` looks like.

```
.text, #text, p{  
    color:rgb(164, 242, 238)  
}
```

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(164, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 242, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4946, 77.5698, 92.5676 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(164, 242, 238) }
```



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

```
.border{ border-color:rgb(164, 242, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(164, 242,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4946, 77.5698, 92.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 242, 238) }
```

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

```
.background{ background-color: rgb(164,  
242, 238) }
```

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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