

Converting Colors

XYZ(62.7173, 76.1838, 92.7469)

Have a look what the booklet for
XYZ(62.7173, 76.1838, 92.7469)
contains.

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Color

**XYZ(62.8087, 76.4000,
93.0977)**

Conversions

Conversions Part 1

Format	Color
Hex	A9EFEF
RGB	169, 239, 239
RGB Percent	66%, 94%, 94%
CMY	0.3372, 0.0627, 0.0627
CMYK	0.29, 0.00, 0.00, 0.06
HSL	180°, 69%, 80%
HSV	180°, 29%, 94%
XYZ	62.8087, 76.4000, 93.0977
YIQ	218.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

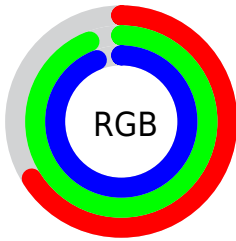
Format	Color
RYB	169, 204, 239
Decimal	11137007
CIELab	90.04, -21.58, -6.99
CIElCh	90, 22.684, 197.949
Yxy	76.4000, 0.2704, 0.3289
Android (android.graphics.Color)	4289327087 (0xFFA9EFEF)
YUV	218.0700, 10.3185, -43.0344
Hunter-Lab	87.4071, -24.6965, -1.9651

Details

The XYZ color **62.8087, 76.4000, 93.0977** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.9487, 49.5935, 44.1101**, and the grayscale version is **66.6424, 70.1129, 76.3530**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **32.4202, 40.8633, 50.9784** is the 20% darker color. If you saturate the color by 10%, you get **58.1431, 73.9967, 92.8803**, and if you desaturate by 10%, it is **68.4160, 79.2926, 93.3625**.

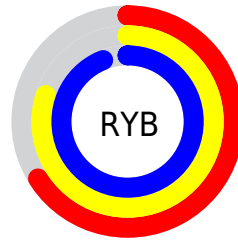
Distribution



Red (66%)

Green (94%)

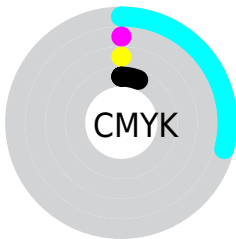
Blue (94%)



Red (66%)

Yellow (80%)

Blue (94%)

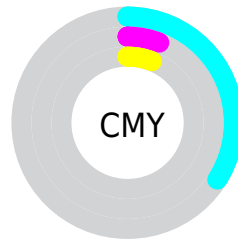


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (34%)

Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8087, 76.4000, 93.0977 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 62.8087, 76.4000, 93.0977 by changing the saturation by 10% instead.

62.8087, 76.4000,
93.0977

62.8087, 76.4000,
93.0977

424.5456,
482.7159, 558.8849

45.9445, 56.7606,
69.9646

107.9768,
128.2922, 153.6067

32.4065, 40.8130,
51.0210

137.0115,
161.3137, 191.8198

21.8292, 28.1730,
35.8485

170.8338,
199.5647, 235.8965

13.8474, 18.4561,
24.0285

209.8089,
243.4296, 286.2555

8.0956, 11.2780,
15.1423

254.3023,
293.2928, 343.3153

4.2085, 6.2541,
8.7716

304.6793,

1.8207, 3.0002,

349.5386, 407.4944

4.4977

361.3053,
412.5515, 479.2114

■ 0.5301, 1.1318,
1.9022

■ 0.0000, 0.0050,
0.4941

■ 62.8087, 76.4000,
93.0977

■ 62.8087, 76.4000,
93.0977

■ 58.1431, 73.9967,
92.8803

■ 68.4160, 79.2926,
93.3625

■ 54.3613, 72.0472,
92.7026

■ 75.0054, 82.6895,
93.6716

■ 51.4096, 70.5255,
92.5637

■ 82.6233, 86.6167,
94.0288

■ 49.2257, 69.3997,
92.4608

■ 87.6886, 89.2279,
94.2666

47.7383, 68.6329,
92.3905

87.6887, 89.2279,
94.2673

46.8631, 68.1817,
92.3488

87.6888, 89.2280,
94.2680

46.4684, 67.9783,
92.3297

87.6890, 89.2281,
94.2687

46.4471, 67.9673,
92.3286

87.6891, 89.2281,
94.2694

87.6893, 89.2282,
94.2701

Harmonies

Analogous

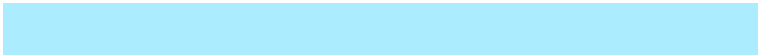
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.5477, 76.4000, 76.8880



62.8087, 76.4000, 93.0977



65.6126, 76.4000, 108.3610

Triad

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



62.8087, 76.4000, 93.0977



80.9433, 76.4000, 105.6965



74.8967, 76.4000, 56.4317

Complementary

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



62.8087, 76.4000, 93.0977



56.9487, 49.5935, 44.1101

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.



80.1007, 76.4000, 62.2484



62.8087, 76.4000, 93.0977



83.7104, 76.4000, 89.8202

Square

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



62.8087, 76.4000, 93.0977



75.9988, 76.4000, 116.2560



83.3943, 76.4000, 74.0051



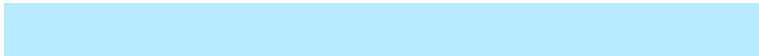
69.3349, 76.4000, 57.0706

Rectangle

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



62.8087, 76.4000, 93.0977



68.6321, 76.4000, 115.3109



83.3943, 76.4000, 74.0051



76.7510, 76.4000, 57.6624

Sweetspot

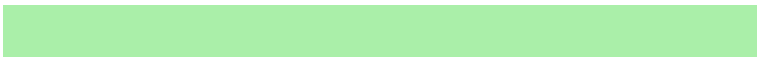
The Sweet Spot groups the original color and five complimentary colors.



62.8109, 76.4031, 93.0995



87.1048, 95.9041, 108.5274



54.6439, 73.1653, 48.7801



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.



62.8109, 76.4031, 93.0995



69.4830, 86.8198, 107.7006



53.8157, 58.4119, 90.1030



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.



56.9487, 49.5935, 44.1101



61.6911, 51.1858, 42.5863



64.0773, 63.8512, 46.4851



15.7729, 15.7589, 16.3603



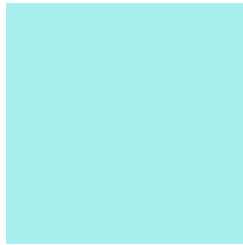
19.6715, 10.1410, 0.9208



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 62.8087, 76.4000, 93.0977 looks on a white background.

Color Contrast Check

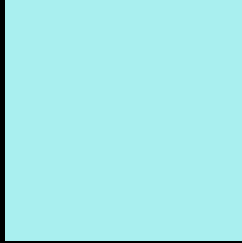
Large Text (above 18pt) WCAG AA × Fail

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 62.8087, 76.4000, 93.0977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

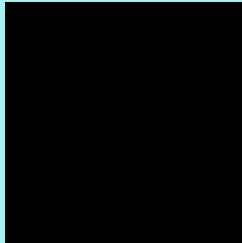
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8087, 76.4000, 93.0977

Background



This preview shows how black text looks on a background with the XYZ color 62.8087, 76.4000, 93.0977.

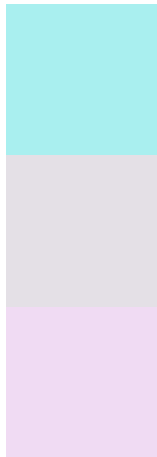


This preview shows how white text looks on a background with the XYZ color 62.8087, 76.4000,

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

62.8087, 76.4000, 93.0977

Protanopia

72.9335, 75.5185, 85.5954

Deuteranopia

77.4444, 75.6594, 95.3160



Tritanopia

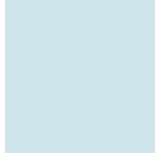
65.5010, 76.2096, 105.8654

Trichromacy



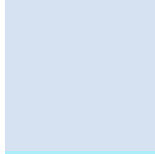
Original Color

62.8087, 76.4000, 93.0977



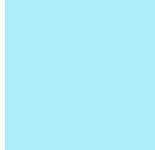
Protanomaly

68.4594, 75.1872, 87.9952



Deuteranomaly

70.9549, 75.0997, 94.7604



Tritanomaly

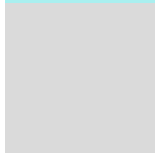
64.3963, 76.1786, 100.9324

Monochromacy



Original Color

62.8087, 76.4000, 93.0977



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 62.8087, 76.4000, 93.0977 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(169, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 239, 239) }
```

Border

The CSS property to change the border of an element to XYZ 62.8087, 76.4000, 93.0977 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(169, 239, 239) }
```


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

```
.border{ border-color:rgb(169, 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(169, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(169, 239,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8087, 76.4000, 93.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 239, 239) }
```

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

```
.background{ background-color: rgb(169,  
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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