

Converting Colors

XYZ(62.7576, 74.6100, 99.6319)

Have a look what the booklet for
XYZ(62.7576, 74.6100, 99.6319)
contains.

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Color

**XYZ(62.8001, 74.5188,
99.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	A8EBF8
RGB	168, 235, 248
RGB Percent	66%, 92%, 97%
CMY	0.3412, 0.0784, 0.0274
CMYK	0.32, 0.05, 0.00, 0.03
HSL	190°, 85%, 82%
HSV	190°, 32%, 97%
XYZ	62.8001, 74.5188, 99.8806
YIQ	216.4490, -44.1050, -10.1610

Conversions

Conversions Part 2

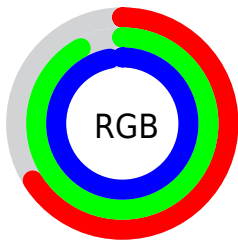
Format	Color
R _Y B	168, 204, 248
Decimal	11070456
CIE Lab	89.17, -17.82, -13.01
CIE LCh	89, 22.059, 216.128
Yxy	74.5188, 0.2648, 0.3142
Android (android.graphics.Color)	4289260536 (0xFFA8EBF8)
YUV	216.4490, 15.5546, -42.4898
Hunter-Lab	86.3243, -21.2104, -8.1739

Details

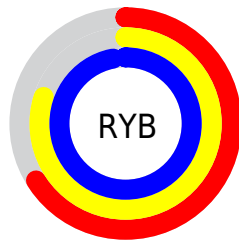
The XYZ color **62.8001, 74.5188, 99.8806** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3043, 55.8323, 44.5406**, and the grayscale version is **65.4970, 68.9080, 75.0408**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **32.4446, 39.5567, 55.7944** is the 20% darker color. If you saturate the color by 10%, you get **56.8754, 69.7730, 99.2781**, and if you desaturate by 10%, it is **69.7622, 79.8418, 100.5424**.

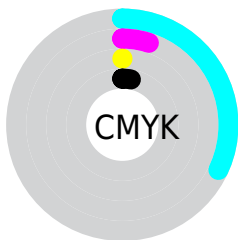
Distribution



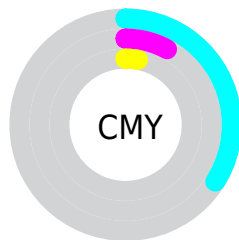
- Red (66%)
- Green (92%)
- Blue (97%)



- Red (66%)
- Yellow (80%)
- Blue (97%)



- Cyan (32%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (34%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8001, 74.5188, 99.8806 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 62.8001, 74.5188, 99.8806 by changing the saturation by 10% instead.

62.8001, 74.5188,
99.8806

62.8001, 74.5188,
99.8806

424.5148,
476.2620, 581.0532

45.9376, 55.2188,
75.5845

107.9645,
125.6310, 163.0435

32.4010, 39.5769,
55.5873

136.9971,
158.2119, 202.7474

21.8250, 27.2088,
39.4703

170.8170,
195.9886, 248.4244

13.8442, 17.7301,
26.8152

209.7897,
239.3454, 300.4929

8.0934, 10.7564,
17.2032

254.2804,
288.6667, 359.3715

4.2071, 5.9033,
10.2160

304.6547,

1.8199, 2.7864,

344.3370, 425.4787

5.4349

361.2777,
406.7406, 499.2331

■ 0.5296, 1.0212,
2.4415

■ 0.0000, 0.0000,
0.8089

■ 62.8001, 74.5188,
99.8806

■ 62.8001, 74.5188,
99.8806

■ 56.8754, 69.7730,
99.2781

■ 69.7622, 79.8418,
100.5424

■ 51.9239, 65.5657,
98.7270

■ 77.8081, 85.7607,
101.2608

■ 47.8844, 61.8668,
98.2259

■ 86.9894, 92.3042,
102.0399

■ 44.6859, 58.6395,
97.7716

■ 92.7187, 97.1077,
102.6651

■ 42.2466, 55.8414,
97.3601

■ 93.9435, 99.5574,
103.0734

■ 40.4677, 53.4212,
96.9867

■ 39.4284, 51.7471,
96.7183

Harmonies

Analogous

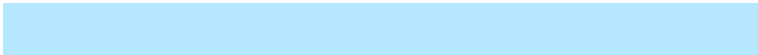
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.0362, 74.5188, 84.3409



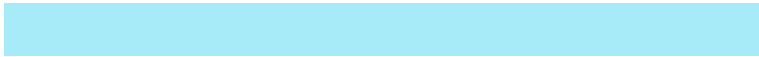
62.8001, 74.5188, 99.8806



66.7252, 74.5188, 111.3429

Triad

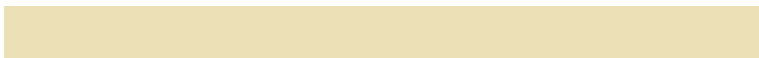
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.8001, 74.5188, 99.8806



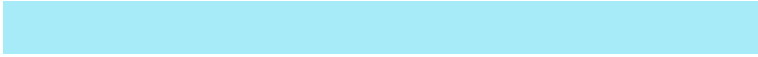
80.7105, 74.5188, 93.7223



69.7297, 74.5188, 55.1121

Complementary

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



62.8001, 74.5188, 99.8806



62.3043, 55.8323, 44.5406

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.



75.0954, 74.5188, 56.9591



62.8001, 74.5188, 99.8806



81.6144, 74.5188, 78.0178

Square

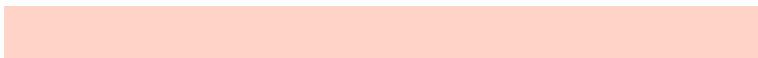
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



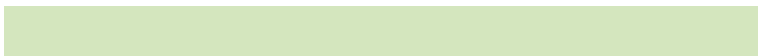
62.8001, 74.5188, 99.8806



77.1010, 74.5188, 107.4844



79.5122, 74.5188, 64.9008



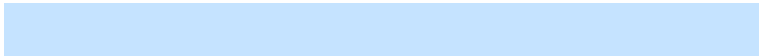
64.9046, 74.5188, 59.4929

Rectangle

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



62.8001, 74.5188, 99.8806



70.1320, 74.5188, 114.4156



79.5122, 74.5188, 64.9008



71.5284, 74.5188, 55.0336

Sweetspot

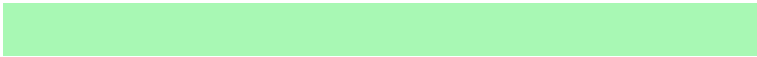
The Sweet Spot groups the original color and five complimentary colors.



62.8023, 74.5218, 99.8823



84.9754, 92.8654, 108.0539



57.9557, 78.7565, 55.3288



17.9064, 19.6741, 23.1037



0.0000, 0.0000, 0.0000



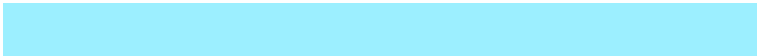
20.3446, 21.4041, 23.3091

Same Dimension

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



62.8023, 74.5218, 99.8823



62.4937, 75.8838, 105.9610



52.8334, 54.5839, 96.5593



17.5116, 19.1001, 22.1490



21.3867, 28.1291, 52.2758



2.0428, 2.7292, 4.8623

Inverse Universe

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



67.7113, 53.9618, 85.4474



68.6098, 51.1089, 87.7881



71.3740, 73.9717, 47.5638



17.8648, 17.4733, 21.1437



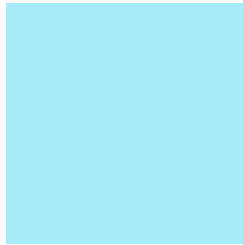
27.0871, 13.2505, 33.4965



2.5400, 1.2397, 3.2672

Previews

White Background



This preview shows how the XYZ color 62.8001, 74.5188, 99.8806 looks on a white background.

Color Contrast Check

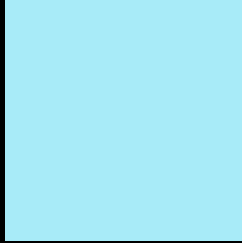
Large Text (above 18pt) WCAG AA × Fail

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 62.8001, 74.5188, 99.8806 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 62.8001, 74.5188, 99.8806

Background



This preview shows how black text looks on a background with the XYZ color 62.8001, 74.5188, 99.8806.

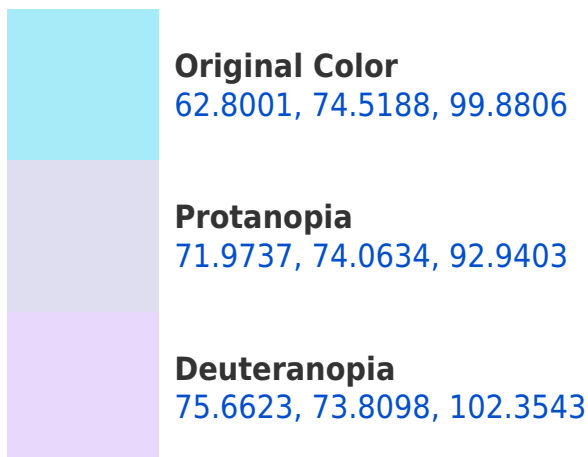


This preview shows how white text looks on a background with the XYZ color 62.8001, 74.5188,

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

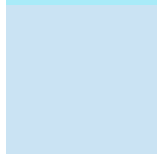
63.5146, 74.3725, 103.9363

Trichromacy



Original Color

62.8001, 74.5188, 99.8806



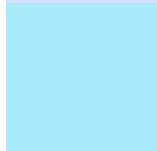
Protanomaly

68.0039, 73.9658, 95.4867



Deuteranomaly

70.3627, 73.8317, 101.8092



Tritanomaly

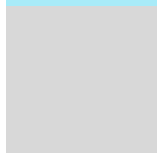
63.1976, 74.2457, 102.2668

Monochromacy



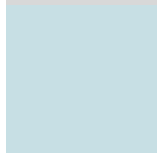
Original Color

62.8001, 74.5188, 99.8806



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.9445, 70.5189, 83.6401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8001, 74.5188, 99.8806 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, 235, 248)` looks like.

```
.text, #text, p{  
    color:rgb(168, 235, 248)  
}
```

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, 235, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 235, 248) }
```

Border

The CSS property to change the border of an element to XYZ 62.8001, 74.5188, 99.8806 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, 235, 248) }
```


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

```
.border{ border-color:rgb(168, 235, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 235, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 235, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 235, 248);  
box-shadow:4px 4px 4px 4px rgb(168, 235,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8001, 74.5188, 99.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 235, 248) }
```

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

```
.background{ background-color: rgb(168,  
235, 248) }
```

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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