

Converting Colors

XYZ(77.0068, 70.2393,
199.5832)

Have a look what the booklet for
XYZ(77.0068, 70.2393, 199.5832)
contains.

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Color

**XYZ(58.7998, 62.8072,
103.6317)**

Conversions

Conversions Part 1

Format	Color
Hex	AED3FF
RGB	174, 211, 255
RGB Percent	68%, 83%, 100%
CMY	0.3176, 0.1725, 0.0000
CMYK	0.32, 0.17, 0.00, 0.00
HSL	213°, 100%, 84%
HSV	213°, 32%, 100%
XYZ	58.7998, 62.8072, 103.6317
YIQ	204.9530, -36.1760, 5.8400

Conversions

Conversions Part 2

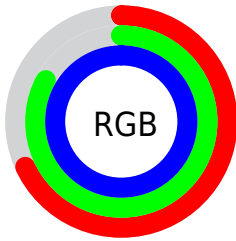
Format	Color
RYB	174, 199, 255
Decimal	11457535
CIELab	83.34, -2.15, -25.45
CIELCh	83, 25.545, 265.162
Yxy	62.8072, 0.2611, 0.2788
Android (android.graphics.Color)	4289647615 (0xFFAED3FF)
YUV	204.9530, 24.6732, -27.1458
Hunter-Lab	79.2510, -6.2522, -22.0542

Details

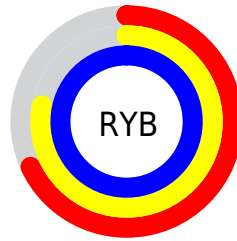
The XYZ color **58.7998, 62.8072, 103.6317** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.9516, 74.4587, 50.5205**, and the grayscale version is **57.8646, 60.8780, 66.2962**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **29.8578, 32.1131, 58.0509** is the 20% darker color. If you saturate the color by 10%, you get **50.3550, 53.5649, 102.2928**, and if you desaturate by 10%, it is **68.6231, 73.2033, 105.1206**.

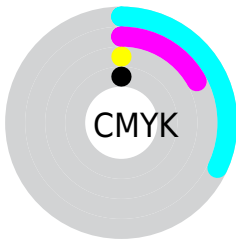
Distribution



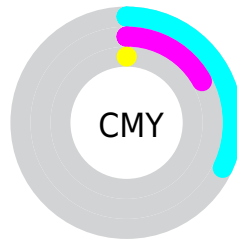
- Red (68%)
- Green (83%)
- Blue (100%)



- Red (68%)
- Yellow (78%)
- Blue (100%)



- Cyan (32%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7998, 62.8072, 103.6317 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 58.7998, 62.8072, 103.6317 by changing the saturation by 10% instead.

■ 58.7998, 62.8072,
103.6317

■ 58.7998, 62.8072,
103.6317

410.0656,
434.8694, 593.1204

■ 42.6977, 45.6853,
78.7032

■ 102.2029,
108.8913, 168.2343

■ 29.8415, 31.9975,
58.1320

130.2347,
138.6223, 208.7456

■ 19.8658, 21.3596,
41.4994

162.9737,
173.3250, 255.2882

■ 12.4052, 13.3871,
28.3868

200.7854,
213.3839, 308.2807

■ 7.0944, 7.6957,
18.3759

244.0351,
259.1835, 368.1416

■ 3.5681, 3.9008,
11.0480

293.0881,

■ 1.4608, 1.6182,

311.1080, 435.2895

5.9845

348.3098,
369.5418, 510.1429

■ 0.2989, 0.3699,
2.7670

■ 0.0000, 0.0000,
0.9769

■ 58.7998, 62.8072,
103.6317

■ 58.7998, 62.8072,
103.6317

■ 50.3550, 53.5649,
102.2928

■ 68.6231, 73.2033,
105.1206

■ 43.2146, 45.4227,
101.0976

■ 79.8830, 84.7893,
106.7634

■ 37.3055, 38.3330,
100.0405

■ 92.6408, 97.6087,
108.5654

■ 32.5441, 32.2405,
99.1155

95.0500, 100.0000,
108.9000

■ 28.8351, 27.0837,
98.3156

■ 26.0651, 22.7909,
97.6331

■ 24.3518, 19.8236,
97.1506

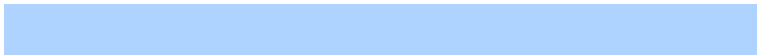
Harmonies

Analogous

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



53.7986, 62.8072, 96.7007



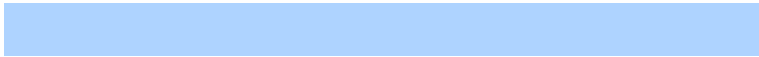
58.7998, 62.8072, 103.6317



64.3553, 62.8072, 99.9884

Triad

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



58.7998, 62.8072, 103.6317



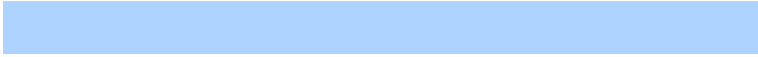
69.8983, 62.8072, 56.1840



51.3495, 62.8072, 52.3536

Complementary

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



58.7998, 62.8072, 103.6317



73.9516, 74.4587, 50.5205

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.



55.2679, 62.8072, 44.2617



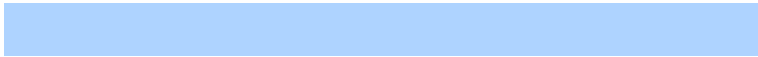
58.7998, 62.8072, 103.6317



66.0101, 62.8072, 46.2208

Square

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



58.7998, 62.8072, 103.6317



70.9879, 62.8072, 70.9996



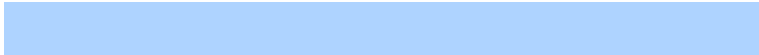
60.6020, 62.8072, 42.2034



49.6706, 62.8072, 65.8380

Rectangle

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



58.7998, 62.8072, 103.6317



67.5976, 62.8072, 92.3101



60.6020, 62.8072, 42.2034



52.4362, 62.8072, 49.0005

Sweetspot

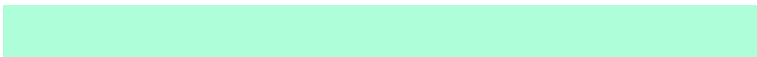
The Sweet Spot groups the original color and five complimentary colors.



58.8016, 62.8096, 103.6320



82.0222, 86.9591, 107.0695



65.7670, 85.5393, 78.8277



17.1904, 18.2420, 22.8650



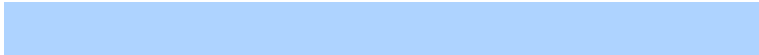
0.0000, 0.0000, 0.0000



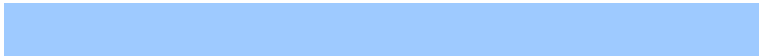
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8016, 62.8096, 103.6320



53.3766, 56.9120, 102.7796



51.2507, 46.8058, 100.9410



17.6866, 18.7448, 22.9359



12.8694, 10.6484, 50.8116



1.3607, 1.2520, 4.9832

Inverse Universe

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



68.1351, 56.2368, 68.8943



64.1879, 50.0295, 62.3778



83.6540, 95.3277, 54.0372



18.3545, 18.1251, 20.4837



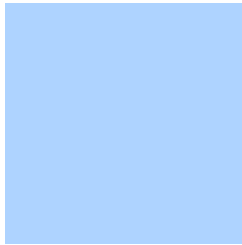
23.2841, 11.8029, 10.1464



2.3214, 1.1709, 1.2740

Previews

White Background



This preview shows how the XYZ color 58.7998, 62.8072, 103.6317 looks on a white background.

Color Contrast Check

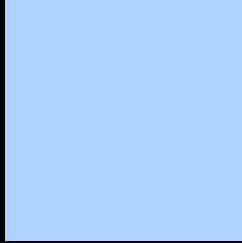
Large Text (above 18pt) WCAG AA × Fail

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 58.7998, 62.8072, 103.6317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

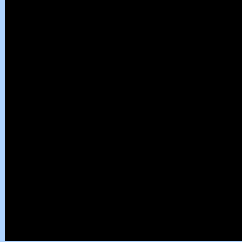
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

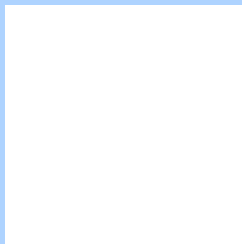
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7998, 62.8072, 103.6317

Background



This preview shows how black text looks on a background with the XYZ color 58.7998, 62.8072, 103.6317.



This preview shows how white text looks on a background with the XYZ color 58.7998, 62.8072,

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

58.7998, 62.8072, 103.6317

Protanopia

62.2699, 62.4980, 100.0481

Deuteranopia

63.7631, 62.4884, 103.3085



Tritanopia

55.2281, 62.8621, 85.5667

Trichromacy



Original Color

58.7998, 62.8072, 103.6317

Protanomaly

60.8698, 62.4727, 100.9457

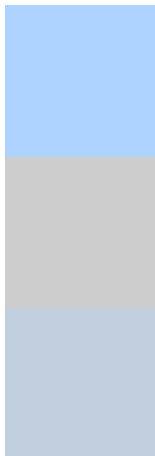
Deuteranomaly

61.8595, 62.5691, 103.4244

Tritanomaly

56.5693, 63.0423, 91.6249

Monochromacy



Original Color

58.7998, 62.8072, 103.6317

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.8802, 61.4227, 78.6172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7998, 62.8072, 103.6317 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(174, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 211, 255)  
}
```

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(174, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 211, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.7998, 62.8072, 103.6317 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(174, 211, 255) }
```


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

```
.border{ border-color:rgb(174, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 211,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7998, 62.8072, 103.6317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 211, 255) }
```

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

```
.background{ background-color: rgb(174,  
211, 255) }
```

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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