

Converting Colors

XYZ(59.5759, 70.0209, 97.1867)

Have a look what the booklet for
XYZ(59.5759, 70.0209, 97.1867)
contains.

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Color

**XYZ(59.6878, 70.0331,
97.5606)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E4F6
RGB	164, 228, 246
RGB Percent	64%, 89%, 96%
CMY	0.3568, 0.1059, 0.0353
CMYK	0.33, 0.07, 0.00, 0.04
HSL	193°, 82%, 80%
HSV	193°, 33%, 96%
XYZ	59.6878, 70.0331, 97.5606
YIQ	210.9160, -43.9220, -7.9700

Conversions

Conversions Part 2

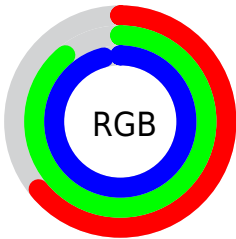
Format	Color
RYB	164, 200, 246
Decimal	10806518
CIELab	87.01, -15.85, -15.20
CIElCh	87, 21.962, 223.809
Yxy	70.0331, 0.2626, 0.3081
Android (android.graphics.Color)	4288996598 (0xFFA4E4F6)
YUV	210.9160, 17.2964, -41.1453
Hunter-Lab	83.6858, -19.1373, -10.5400

Details

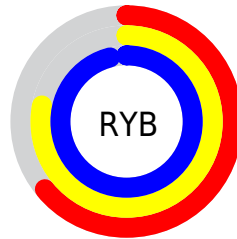
The XYZ color **59.6878, 70.0331, 97.5606** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.4359, 55.7300, 42.6427**, and the grayscale version is **61.7734, 64.9904, 70.7745**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **30.5445, 36.8561, 54.2193** is the 20% darker color. If you saturate the color by 10%, you get **53.6319, 64.7420, 96.8597**, and if you desaturate by 10%, it is **66.7762, 75.9287, 98.3262**.

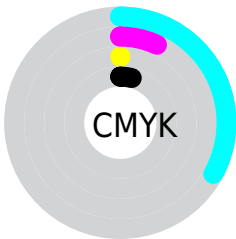
Distribution



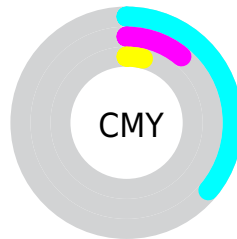
- Red (64%)
- Green (89%)
- Blue (96%)



- Red (64%)
- Yellow (78%)
- Blue (96%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)





- Cyan (36%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6878, 70.0331, 97.5606 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 59.6878, 70.0331, 97.5606 by changing the saturation by 10% instead.


 59.6878, 70.0331,
97.5606


 59.6878, 70.0331,
97.5606

413.2993,
460.6662, 573.5228

 43.4155, 51.5535,
73.6594


 103.4856,
119.2560, 159.8233

 30.4072, 36.6493,
54.0202

 131.7418,
150.7680, 199.0219

 20.2975, 24.9361,
38.2245


164.7234,
187.3930, 244.1568

 12.7210, 16.0294,
25.8538

202.7957,
229.5154, 295.6463

 7.3124, 9.5450,
16.4895

246.3241,
277.5195, 353.9091

 3.7063, 5.0983,
9.7131

295.6739,

 1.5373, 2.3051,

331.7897, 419.3638

5.1061

351.2105,
392.7105, 492.4289

■ 0.3510, 0.7764,
2.2498

■ 0.0000, 0.0000,
0.7029

■ 59.6878, 70.0331,
97.5606

■ 59.6878, 70.0331,
97.5606

■ 53.6319, 64.7420,
96.8597

■ 66.7762, 75.9287,
98.3262

■ 48.5450, 60.0170,
96.2158

■ 74.9434, 82.4482,
99.1541

■ 44.3660, 55.8277,
95.6274

■ 84.2406, 89.6204,
100.0484

■ 41.0242, 52.1370,
95.0912

■ 91.9367, 96.0378,
100.8815

■ 38.4376, 48.9020,
94.6031

■ 93.6348, 99.4339,
101.4475

■ 36.5069, 46.0707,
94.1584

■ 35.4860, 44.3564,
93.8813

Harmonies

Analogous

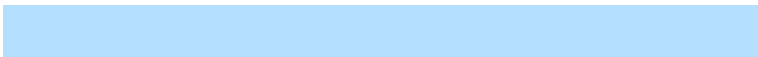
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.4259, 70.0331, 83.2072



59.6878, 70.0331, 97.5606



63.8480, 70.0331, 106.7736

Triad

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



59.6878, 70.0331, 97.5606



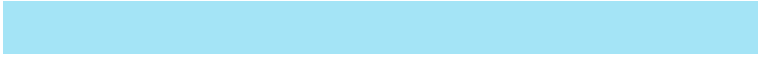
76.5076, 70.0331, 84.4171



64.2345, 70.0331, 51.9506

Complementary

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



59.6878, 70.0331, 97.5606



61.4359, 55.7300, 42.6427

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.



69.3567, 70.0331, 52.1866



59.6878, 70.0331, 97.5606



76.6243, 70.0331, 69.6996

Square

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



59.6878, 70.0331, 97.5606



73.6387, 70.0331, 98.5439



73.9498, 70.0331, 58.3002



59.9582, 70.0331, 57.6077

Rectangle

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



59.6878, 70.0331, 97.5606



67.2227, 70.0331, 108.1052



73.9498, 70.0331, 58.3002



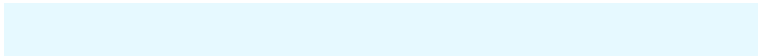
65.9104, 70.0331, 51.3681

Sweetspot

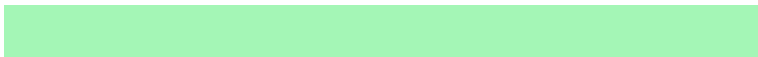
The Sweet Spot groups the original color and five complimentary colors.



59.6899, 70.0359, 97.5622



84.5233, 91.9612, 107.9032



56.6866, 77.1732, 56.0397



17.7965, 19.4541, 23.0670



0.0000, 0.0000, 0.0000



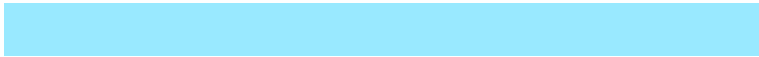
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6899, 70.0359, 97.5622



60.2162, 72.0509, 105.3412



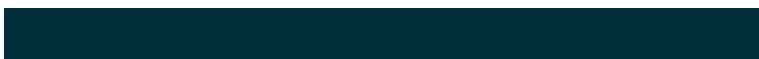
49.7659, 50.1879, 94.2542



16.6701, 18.1045, 21.1585



19.0490, 23.8919, 50.1456



1.7487, 2.2488, 4.4321

Inverse Universe

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



65.2868, 51.7470, 79.9489



67.2839, 49.9035, 82.8869



71.0337, 74.9254, 45.8420



17.0488, 16.7024, 20.0036



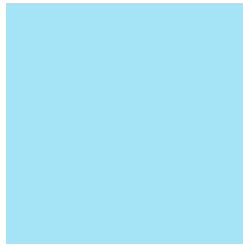
25.4196, 12.5113, 27.9816



2.2717, 1.1147, 2.6572

Previews

White Background



This preview shows how the XYZ color 59.6878, 70.0331, 97.5606 looks on a white background.

Color Contrast Check

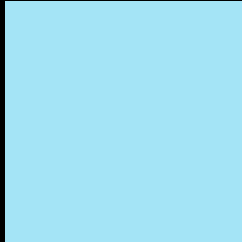
Large Text (above 18pt) WCAG AA × Fail

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 59.6878, 70.0331, 97.5606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

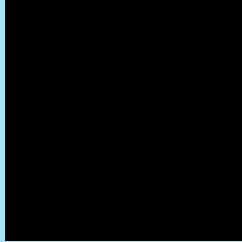
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.6878, 70.0331, 97.5606

Background



This preview shows how black text looks on a background with the XYZ color 59.6878, 70.0331, 97.5606.

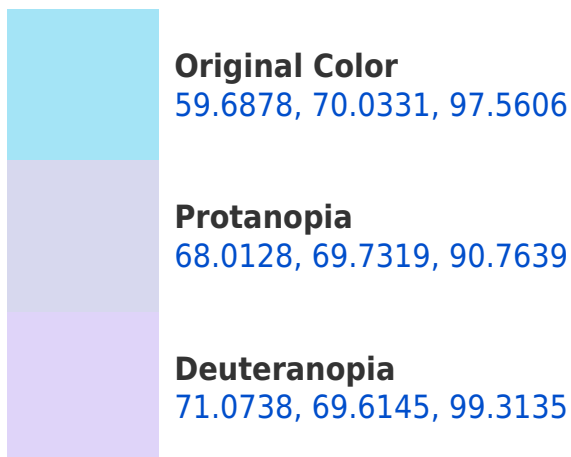


This preview shows how white text looks on a background with the XYZ color 59.6878, 70.0331,

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

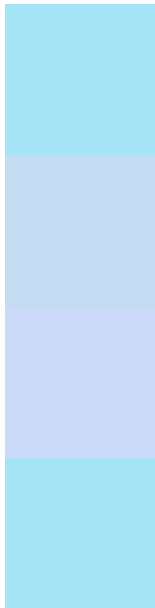




Tritanopia

59.6878, 70.0331, 97.5606

Trichromacy



Original Color

59.6878, 70.0331, 97.5606

Protanomaly

64.2353, 69.2730, 93.2046

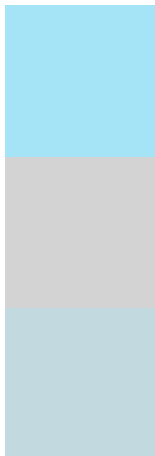
Deuteranomaly

66.3718, 69.4767, 98.7191

Tritanomaly

59.6878, 70.0331, 97.5606

Monochromacy



Original Color

59.6878, 70.0331, 97.5606

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.5155, 66.4769, 80.1628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6878, 70.0331, 97.5606 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, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(164, 228, 246)  
}
```

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, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 228, 246) }
```

Border

The CSS property to change the border of an element to XYZ 59.6878, 70.0331, 97.5606 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, 228, 246) }
```


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

```
.border{ border-color:rgb(164, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(164, 228,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6878, 70.0331, 97.5606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 228, 246) }
```

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

```
.background{ background-color: rgb(164,  
228, 246) }
```

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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