

Converting Colors

XYZ(55.0009, 59.1070, 99.7767)

Have a look what the booklet for
XYZ(55.0009, 59.1070, 99.7767)
contains.

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Color

**XYZ(55.0009, 59.1070,
99.7767)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CEFB
RGB	165, 206, 251
RGB Percent	65%, 81%, 98%
CMY	0.3529, 0.1921, 0.0157
CMYK	0.34, 0.18, 0.00, 0.02
HSL	211°, 91%, 82%
HSV	211°, 34%, 98%
XYZ	55.0009, 59.1070, 99.7767
YIQ	198.8710, -38.8810, 5.3030

Conversions

Conversions Part 2

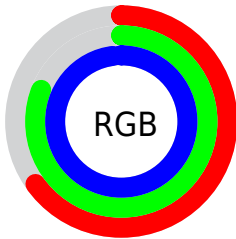
Format	Color
R _Y B	165, 193, 251
Decimal	10866427
CIE Lab	81.35, -2.95, -26.42
CIE LCh	81, 26.581, 263.617
Yxy	59.1070, 0.2572, 0.2763
Android (android.graphics.Color)	4289056507 (0xFFA5CEFB)
YUV	198.8710, 25.6996, -29.7049
Hunter-Lab	76.8811, -6.8426, -23.1301

Details

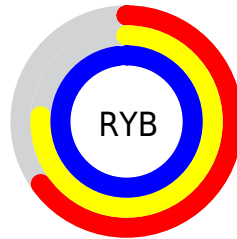
The XYZ color **55.0009, 59.1070, 99.7767** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.6227, 69.3198, 45.3095**, and the grayscale version is **54.0737, 56.8898, 61.9530**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **27.3962, 29.6665, 55.3212** is the 20% darker color. If you saturate the color by 10%, you get **47.2531, 50.6149, 98.5469**, and if you desaturate by 10%, it is **64.0412, 68.6603, 101.1452**.

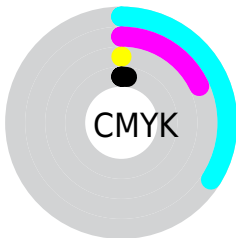
Distribution



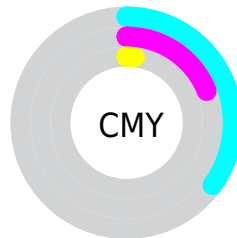
- Red (65%)
- Green (81%)
- Blue (98%)



- Red (65%)
- Yellow (76%)
- Blue (98%)



- Cyan (34%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)



- Cyan (35%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0009, 59.1070, 99.7767 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 55.0009, 59.1070, 99.7767 by changing the saturation by 10% instead.

■ 55.0009, 59.1070,
99.7767

■ 55.0009, 59.1070,
99.7767

396.0517,
421.2983, 580.7171

■ 39.6363, 42.6993,
75.4982

■ 96.6906, 103.5332,
162.8995

■ 27.4380, 29.6492,
55.5170

■ 123.7464,
132.3204, 202.5809

■ 18.0408, 19.5725,
39.4144

155.4299,
166.0029, 248.2336

■ 11.0791, 12.0847,
26.7719

192.1066,
204.9650, 300.2763

■ 6.1878, 6.8014,
17.1711

234.1418,
249.5913, 359.1275

■ 3.0013, 3.3382,
10.1933

281.9008,

■ 1.1545, 1.3107,

300.2660, 425.2056

5.4200

335.7490,
357.3735, 498.9293

■ 0.0700, 0.1495,
2.4327

■ 0.0000, 0.0000,
0.8042

■ 55.0009, 59.1070,
99.7767

■ 55.0009, 59.1070,
99.7767

■ 47.2531, 50.6149,
98.5469

■ 64.0412, 68.6603,
101.1452

■ 40.7254, 43.1331,
97.4469

■ 74.4298, 79.3087,
102.6530

■ 35.3467, 36.6164,
96.4725

■ 86.2260, 91.0931,
104.3059

■ 31.0350, 31.0122,
95.6180

■ 94.4128, 99.7451,
105.5444

■ 27.6961, 26.2612,
94.8770

■ 25.2159, 22.2932,
94.2418

■ 24.0894, 20.3183,
93.9200

Harmonies

Analogous

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



50.0816, 59.1070, 92.2448



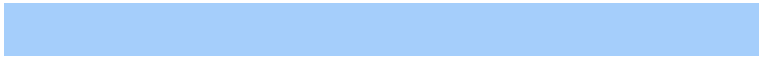
55.0009, 59.1070, 99.7767



60.5660, 59.1070, 96.6337

Triad

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



55.0009, 59.1070, 99.7767



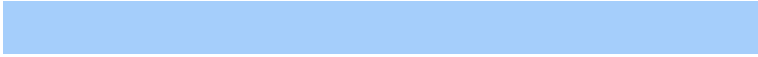
66.5401, 59.1070, 52.8688



48.0153, 59.1070, 47.8711

Complementary

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



55.0009, 59.1070, 99.7767



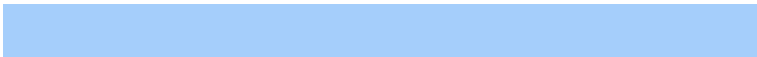
69.6227, 69.3198, 45.3095

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.



52.0099, 59.1070, 40.2111



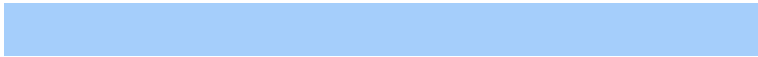
55.0009, 59.1070, 99.7767



62.7532, 59.1070, 42.7468

Square

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



55.0009, 59.1070, 99.7767



67.4713, 59.1070, 67.8168



57.3747, 59.1070, 38.5027



46.2234, 59.1070, 61.0179

Rectangle

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



55.0009, 59.1070, 99.7767



63.8707, 59.1070, 89.1280



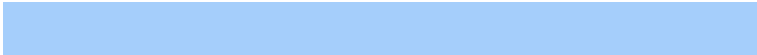
57.3747, 59.1070, 38.5027



49.1318, 59.1070, 44.6627

Sweetspot

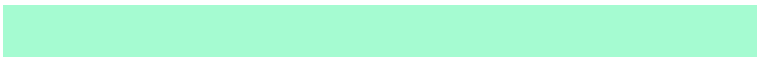
The Sweet Spot groups the original color and five complimentary colors.



55.0028, 59.1093, 99.7781



82.1731, 87.2609, 107.1198



61.5780, 81.6199, 73.1135



17.2268, 18.3149, 22.8771



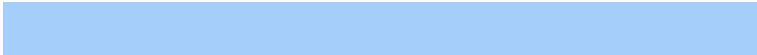
0.0000, 0.0000, 0.0000



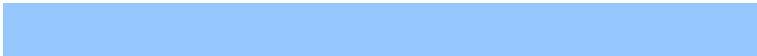
20.3446, 21.4041, 23.3091

Same Dimension

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



55.0028, 59.1093, 99.7781



51.4334, 55.1923, 102.5501



46.6862, 42.0309, 96.9200



16.9657, 18.0082, 21.9670



12.8060, 10.9675, 49.4155



1.2914, 1.2266, 4.6119

Inverse Universe

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



64.3809, 51.8774, 65.0151



62.6782, 47.4005, 60.6705



80.5591, 91.9561, 49.1024



17.5892, 17.3630, 19.6926



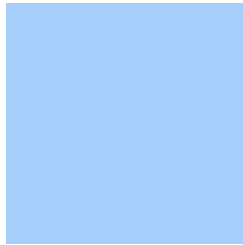
22.7559, 11.5181, 10.6889



2.1608, 1.0880, 1.2701

Previews

White Background



This preview shows how the XYZ color 55.0009, 59.1070, 99.7767 looks on a white background.

Color Contrast Check

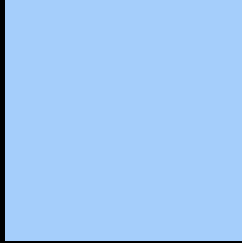
Large Text (above 18pt) WCAG AA × Fail

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 55.0009, 59.1070, 99.7767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

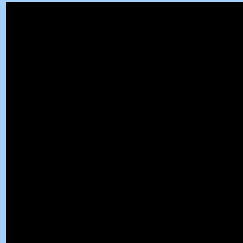
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

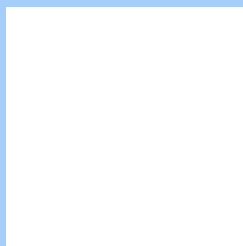
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.0009, 59.1070, 99.7767

Background



This preview shows how black text looks on a background with the XYZ color 55.0009, 59.1070, 99.7767.



This preview shows how white text looks on a background with the XYZ color 55.0009, 59.1070,

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

55.0009, 59.1070, 99.7767

Protanopia

58.9286, 59.1003, 96.2973

Deuteranopia

60.4294, 59.0821, 101.1475



Tritanopia

51.2098, 59.0102, 81.3641

Trichromacy



Original Color

55.0009, 59.1070, 99.7767

Protanomaly

57.3552, 58.9635, 97.1651

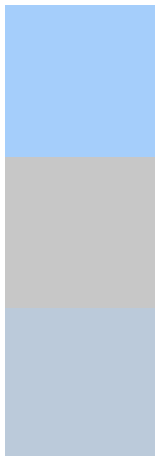
Deuteranomaly

58.2245, 58.9919, 100.4133

Tritanomaly

52.6387, 59.2341, 88.0159

Monochromacy



Original Color

55.0009, 59.1070, 99.7767

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

54.2689, 57.8678, 74.6390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0009, 59.1070, 99.7767 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(165, 206, 251)` looks like.

```
.text, #text, p{  
    color:rgb(165, 206, 251)  
}
```

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(165, 206, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 206, 251) }
```

Border

The CSS property to change the border of an element to XYZ 55.0009, 59.1070, 99.7767 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(165, 206, 251) }
```


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

```
.border{ border-color:rgb(165, 206, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 206, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 206, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 206, 251);  
box-shadow:4px 4px 4px 4px rgb(165, 206,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0009, 59.1070, 99.7767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 206, 251) }
```

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

```
.background{ background-color: rgb(165,  
206, 251) }
```

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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