

Converting Colors

XYZ(51.6404, 56.6813,
103.2440)

Have a look what the booklet for
XYZ(51.6404, 56.6813, 103.2440)
contains.

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Color

**XYZ(51.4969, 56.5167,
102.8024)**

Conversions

Conversions Part 1

Format	Color
Hex	92CCFF
RGB	146, 204, 255
RGB Percent	57%, 80%, 100%
CMY	0.4274, 0.2000, 0.0000
CMYK	0.43, 0.20, 0.00, 0.00
HSL	208°, 100%, 79%
HSV	208°, 43%, 100%
XYZ	51.4969, 56.5167, 102.8024
YIQ	192.4720, -50.9390, 3.5650

Conversions

Conversions Part 2

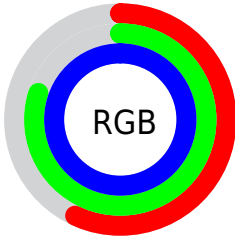
Format	Color
R _Y B	146, 184, 255
Decimal	9620735
CIE Lab	79.91, -5.78, -30.85
CIE LCh	80, 31.385, 259.394
Yxy	56.5167, 0.2443, 0.2681
Android (android.graphics.Color)	4287810815 (0xFF92CCFF)
YUV	192.4720, 30.8263, -40.7559
Hunter-Lab	75.1776, -9.2877, -28.4524

Details

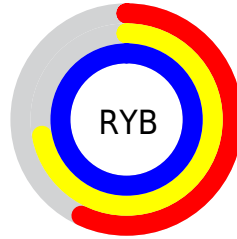
The XYZ color **51.4969, 56.5167, 102.8024** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.3952, 63.2686, 35.9087**, and the grayscale version is **50.2269, 52.8426, 57.5456**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **25.2192, 28.0138, 57.5041** is the 20% darker color. If you saturate the color by 10%, you get **44.7315, 48.9804, 101.7043**, and if you desaturate by 10%, it is **59.4938, 65.0128, 104.0208**.

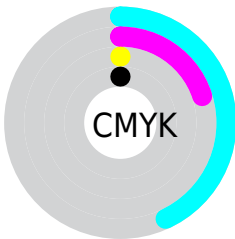
Distribution



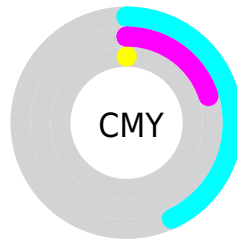
- Red (57%)
- Green (80%)
- Blue (100%)



- Red (57%)
- Yellow (72%)
- Blue (100%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4969, 56.5167, 102.8024 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 51.4969, 56.5167, 102.8024 by changing the saturation by 10% instead.

■ 51.4969, 56.5167,
102.8024

■ 51.4969, 56.5167,
102.8024

382.8472,
411.6358, 590.4638

■ 36.8269, 40.6173,
78.0131

■ 91.5675, 99.7596,
167.0884

■ 25.2465, 28.0202,
57.5682

■ 117.6987,
127.8720, 207.4222

■ 16.3905, 18.3409,
41.0492

148.3811,
160.8242, 253.7745

■ 9.8935, 11.1950,
28.0376

183.9800,
199.0006, 306.5640

■ 5.3901, 6.1982,
18.1147

224.8606,
242.7855, 366.2091

■ 2.5150, 2.9659,
10.8621

271.3885,

■ 0.9028, 1.1140,

292.5635, 433.1284

5.8612

323.9289,
348.7188, 507.7405

■ 0.0000, 0.0000,
2.6934

■ 0.0000, 0.0000,
0.9401

■ 51.4969, 56.5167,
102.8024

■ 51.4969, 56.5167,
102.8024

■ 44.7315, 48.9804,
101.7043

■ 59.4938, 65.0128,
104.0208

■ 39.1197, 42.3528,
100.7208

■ 68.7835, 74.5036,
105.3631

■ 34.5818, 36.5868,
99.8471

■ 79.4291, 85.0296,
106.8337

■ 31.0244, 31.6265,
99.0771

■ 91.4878, 96.6268,
108.4367

■ 28.3352, 27.4059,
98.4042

95.0500, 100.0000,
108.9000

■ 26.8107, 24.7414,
97.9702

Harmonies

Analogous

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



46.1414, 56.5167, 92.1563



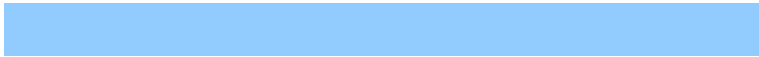
51.4969, 56.5167, 102.8024



57.8834, 56.5167, 100.8583

Triad

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



51.4969, 56.5167, 102.8024



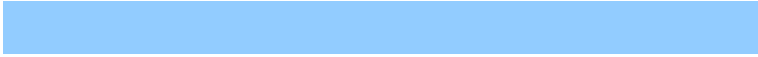
66.1040, 56.5167, 50.6198



44.9539, 56.5167, 41.4329

Complementary

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



51.4969, 56.5167, 102.8024



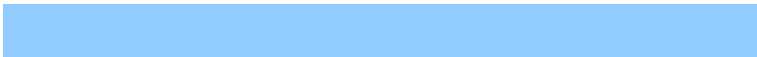
66.3952, 63.2686, 35.9087

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.



49.7563, 56.5167, 34.0501



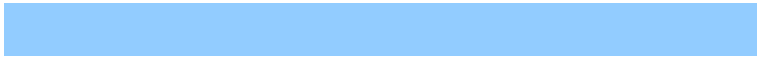
51.4969, 56.5167, 102.8024



62.0804, 56.5167, 38.5843

Square

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



51.4969, 56.5167, 102.8024



66.6628, 56.5167, 68.2141



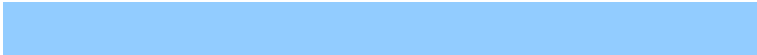
56.0009, 56.5167, 33.1221



42.5668, 56.5167, 55.3106

Rectangle

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



51.4969, 56.5167, 102.8024



61.8623, 56.5167, 92.7814



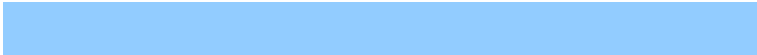
56.0009, 56.5167, 33.1221



46.3208, 56.5167, 38.2364

Sweetspot

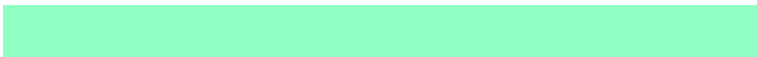
The Sweet Spot groups the original color and five complimentary colors.



51.4986, 56.5188, 102.8027



79.1384, 84.7461, 106.7943



57.6779, 81.6566, 65.4661



16.4120, 17.6237, 22.7867



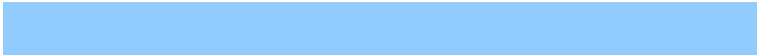
0.0000, 0.0000, 0.0000



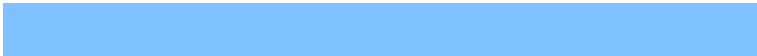
20.3446, 21.4041, 23.3091

Same Dimension

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



51.4986, 56.5188, 102.8027



45.8259, 50.2276, 101.8874



40.7535, 35.0287, 99.2210



17.8034, 18.9783, 22.9748



14.1601, 13.2298, 51.2419



1.4881, 1.5070, 5.0257

Inverse Universe

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



62.4191, 46.1790, 62.7525



58.3220, 39.8165, 55.7401



81.0406, 92.5592, 40.7905



18.4134, 18.1487, 20.7941



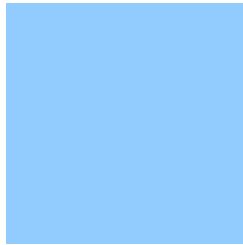
23.9356, 12.0635, 13.5771



2.3857, 1.1967, 1.6128

Previews

White Background



This preview shows how the XYZ color 51.4969, 56.5167, 102.8024 looks on a white background.

Color Contrast Check

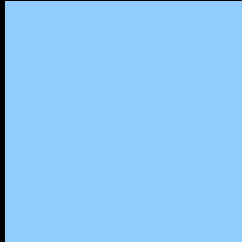
Large Text (above 18pt) WCAG AA × Fail

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 51.4969, 56.5167, 102.8024 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

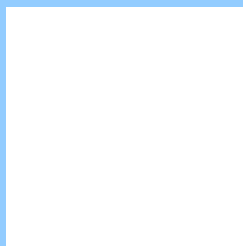
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4969, 56.5167, 102.8024

Background



This preview shows how black text looks on a background with the XYZ color 51.4969, 56.5167, 102.8024.



This preview shows how white text looks on a background with the XYZ color 51.4969, 56.5167,

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

51.4969, 56.5167, 102.8024

Protanopia

56.3812, 56.0601, 97.4716

Deuteranopia

57.3494, 56.1179, 102.4169



Tritanopia

47.0092, 56.4952, 80.3785

Trichromacy



Original Color

51.4969, 56.5167, 102.8024

Protanomaly

54.1842, 55.8992, 99.2006

Deuteranomaly

55.0387, 56.2661, 102.5673

Tritanomaly

48.5834, 56.4028, 88.4470

Monochromacy



Original Color

51.4969, 56.5167, 102.8024

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.6849, 53.5001, 71.9979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4969, 56.5167, 102.8024 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(146, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 204, 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(146, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.4969, 56.5167, 102.8024 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(146, 204, 255) }
```


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

```
.border{ border-color:rgb(146, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4969, 56.5167, 102.8024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 204, 255) }
```

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

```
.background{ background-color: rgb(146,  
204, 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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