

Converting Colors

XYZ(53.8739, 56.6812,
124.5263)

Have a look what the booklet for
XYZ(53.8739, 56.6812, 124.5263)
contains.

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Color

**XYZ(49.6518, 54.8643,
102.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	8ACAFF
RGB	138, 202, 255
RGB Percent	54%, 79%, 100%
CMY	0.4588, 0.2078, 0.0000
CMYK	0.46, 0.21, 0.00, 0.00
HSL	207°, 100%, 77%
HSV	207°, 46%, 100%
XYZ	49.6518, 54.8643, 102.5807
YIQ	188.9060, -55.1570, 2.9150

Conversions

Conversions Part 2

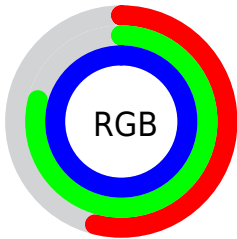
Format	Color
R _Y B	138, 179, 255
Decimal	9095935
CIE Lab	78.96, -6.64, -32.33
CIE LCh	79, 33.009, 258.404
Yxy	54.8643, 0.2398, 0.2649
Android (android.graphics.Color)	4287286015 (0xFF8ACAFF)
YUV	188.9060, 32.5843, -44.6446
Hunter-Lab	74.0704, -9.9690, -30.2619

Details

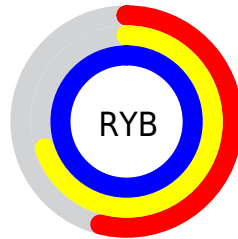
The XYZ color **49.6518, 54.8643, 102.5807** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.4592, 60.3579, 32.2998**, and the grayscale version is **48.1599, 50.6680, 55.1774**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **24.0912, 26.9625, 57.3606** is the 20% darker color. If you saturate the color by 10%, you get **43.3081, 47.7210, 101.5362**, and if you desaturate by 10%, it is **57.1919, 62.9278, 103.7397**.

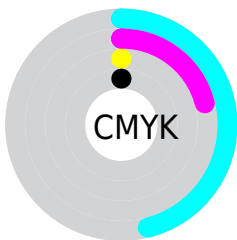
Distribution



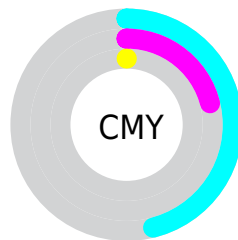
- Red (54%)
- Green (79%)
- Blue (100%)



- Red (54%)
- Yellow (70%)
- Blue (100%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6518, 54.8643, 102.5807 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 49.6518, 54.8643, 102.5807 by changing the saturation by 10% instead.

■ 49.6518, 54.8643,
102.5807

■ 49.6518, 54.8643,
102.5807

375.7772,
405.3973, 589.7525

■ 35.3535, 39.2931,
77.8287

■ 88.8537, 97.3421,
166.7819

■ 24.1031, 26.9878,
57.4176

■ 114.4879,
125.0175, 207.0681

■ 15.5352, 17.5641,
40.9290

144.6315,
157.4964, 253.3695

■ 9.2846, 10.6375,
27.9444

179.6498,
195.1632, 306.1045

■ 4.9859, 5.8236,
18.0450

219.9082,
238.4023, 365.6918

■ 2.2737, 2.7381,
10.8126

265.7720,

■ 0.7811, 0.9966,

287.5981, 432.5499

5.8284

317.6065,
343.1350, 507.0973

■ 0.0000, 0.0000,
2.6739

■ 0.0000, 0.0000,
0.9302

■ 49.6518, 54.8643,
102.5807

■ 49.6518, 54.8643,
102.5807

■ 43.3081, 47.7210,
101.5362

■ 57.1919, 62.9278,
103.7397

■ 38.0812, 41.4469,
100.6007

■ 65.9914, 71.9470,
105.0168

■ 33.8886, 35.9939,
99.7691

■ 76.1142, 81.9621,
106.4164

■ 30.6324, 31.3045,
99.0356

■ 87.6184, 93.0089,
107.9423

■ 28.1923, 27.3093,
98.3931

95.0500, 100.0000,
108.9000

■ 27.3535, 25.8270,
98.1512

Harmonies

Analogous

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



44.2120, 54.8643, 91.0361



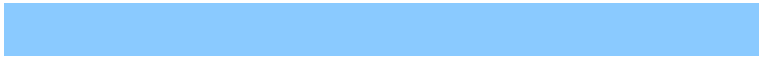
49.6518, 54.8643, 102.5807



56.2320, 54.8643, 100.9967

Triad

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



49.6518, 54.8643, 102.5807



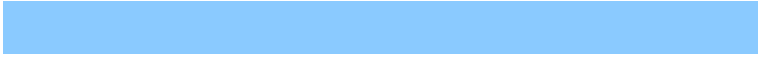
65.0567, 54.8643, 49.0418



43.2699, 54.8643, 38.8188

Complementary

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



49.6518, 54.8643, 102.5807



64.4592, 60.3579, 32.2998

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.



48.2645, 54.8643, 31.5952



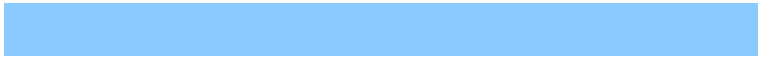
49.6518, 54.8643, 102.5807



60.9786, 54.8643, 36.5871

Square

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



49.6518, 54.8643, 102.5807



65.5070, 54.8643, 67.2990



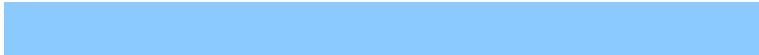
54.7242, 54.8643, 30.8746



40.7392, 54.8643, 52.7655

Rectangle

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



49.6518, 54.8643, 102.5807



60.3828, 54.8643, 92.7605



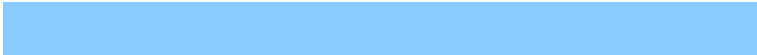
54.7242, 54.8643, 30.8746



44.6961, 54.8643, 35.6618

Sweetspot

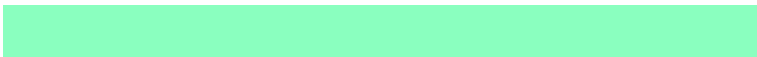
The Sweet Spot groups the original color and five complimentary colors.



49.6534, 54.8663, 102.5810



78.1700, 83.9592, 106.6935



55.6080, 80.6701, 61.7303



16.2275, 17.4808, 22.7688



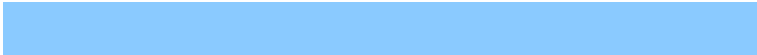
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.6534, 54.8663, 102.5810



43.8206, 48.3142, 101.6237



38.4835, 32.5265, 98.8577



17.8266, 19.0248, 22.9825



14.4441, 13.7978, 51.3365



1.5156, 1.5619, 5.0349

Inverse Universe

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



60.9903, 43.7030, 61.1000



56.7979, 37.2468, 53.7568



79.7500, 90.9394, 37.3967



18.4251, 18.1534, 20.8558



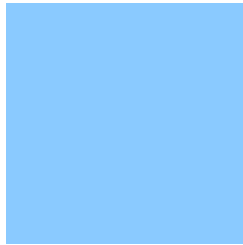
24.0789, 12.1209, 14.3319



2.3996, 1.2022, 1.6857

Previews

White Background



This preview shows how the XYZ color 49.6518, 54.8643, 102.5807 looks on a white background.

Color Contrast Check

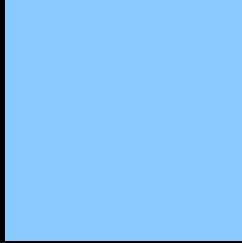
Large Text (above 18pt) WCAG AA × Fail

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 49.6518, 54.8643, 102.5807 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

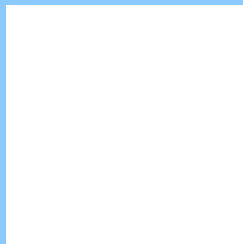
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6518, 54.8643, 102.5807

Background



This preview shows how black text looks on a background with the XYZ color 49.6518, 54.8643, 102.5807.

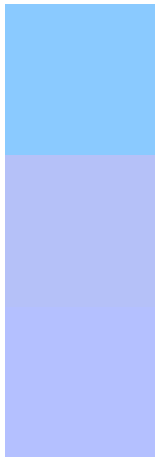


This preview shows how white text looks on a background with the XYZ color 49.6518, 54.8643,

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

49.6518, 54.8643, 102.5807

Protanopia

55.0693, 54.7410, 96.4705

Deuteranopia

55.7220, 54.6226, 102.2141



Tritanopia

44.8206, 54.6746, 78.7120

Trichromacy



Original Color

49.6518, 54.8643, 102.5807

Protanomaly

52.6696, 54.4442, 98.9996

Deuteranomaly

53.3070, 54.6992, 102.3562

Tritanomaly

46.3424, 54.5663, 86.6871

Monochromacy



Original Color

49.6518, 54.8643, 102.5807

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.8796, 51.9337, 70.4515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6518, 54.8643, 102.5807 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(138, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 202, 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(138, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6518, 54.8643, 102.5807 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(138, 202, 255) }
```


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

```
.border{ border-color:rgb(138, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6518, 54.8643, 102.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 202, 255) }
```

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

```
.background{ background-color: rgb(138,  
202, 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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