

Converting Colors

XYZ(45.8474, 49.2697, 94.8016)

Have a look what the booklet for
XYZ(45.8474, 49.2697, 94.8016)
contains.

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Color

**XYZ(45.9005, 49.3803,
95.1078)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABFF7
RGB	138, 191, 247
RGB Percent	54%, 75%, 97%
CMY	0.4588, 0.2510, 0.0314
CMYK	0.44, 0.23, 0.00, 0.03
HSL	211°, 87%, 75%
HSV	211°, 44%, 97%
XYZ	45.9005, 49.3803, 95.1078
YIQ	181.5370, -49.5640, 6.1800

Conversions

Conversions Part 2

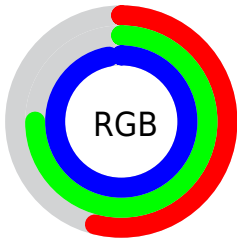
Format	Color
R _Y B	138, 174, 247
Decimal	9093111
CIE Lab	75.69, -2.92, -33.10
CIE LCh	76, 33.230, 264.952
Yxy	49.3803, 0.2411, 0.2594
Android (android.graphics.Color)	4287283191 (0xFF8ABFF7)
YUV	181.5370, 32.2733, -38.1819
Hunter-Lab	70.2711, -6.3798, -31.0557

Details

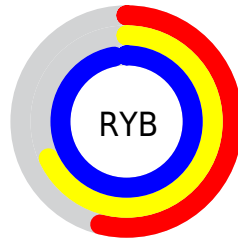
The XYZ color **45.9005, 49.3803, 95.1078** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2382, 60.1941, 32.3848**, and the grayscale version is **44.0629, 46.3576, 50.4834**.

A 20% lighter version of the original color is **73.8164, 85.3436, 107.1902**, and **21.7761, 23.6440, 52.1312** is the 20% darker color. If you saturate the color by 10%, you get **39.6208, 42.2121, 94.0561**, and if you desaturate by 10%, it is **53.3525, 57.5108, 96.2853**.

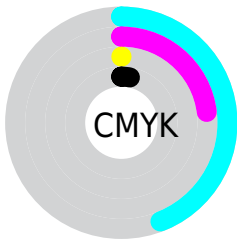
Distribution



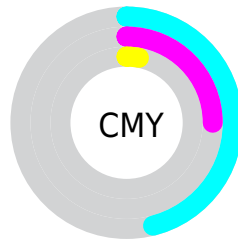
- Red (54%)
- Green (75%)
- Blue (97%)



- Red (54%)
- Yellow (68%)
- Blue (97%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)



- Cyan (46%)
- Magenta (25%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9005, 49.3803, 95.1078 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 45.9005, 49.3803, 95.1078 by changing the saturation by 10% instead.

■ 45.9005, 49.3803,
95.1078

■ 45.9005, 49.3803,
95.1078

361.1311,
384.2376, 565.5032

■ 32.3716, 34.9213,
71.6273

■ 83.2988, 89.2560,
156.4104

■ 21.8024, 23.6022,
52.3693

■ 107.8990,
115.4415, 195.0696

■ 13.8276, 15.0388,
36.9153

136.9203,
146.3045, 239.6254

■ 8.0817, 8.8466,
24.8466

170.7281,
182.2296, 290.4964

■ 4.1995, 4.6413,
15.7448

209.6877,
223.6010, 348.1012

■ 1.8156, 2.0384,
9.1914

254.1645,

■ 0.5271, 0.6296,

270.8032, 412.8582

4.7677

304.5239,
324.2206, 485.1860

■ 0.0000, 0.0000,
2.0553

■ 0.0000, 0.0000,
0.5890

■ 45.9005, 49.3803,
95.1078

■ 45.9005, 49.3803,
95.1078

■ 39.6208, 42.2121,
94.0561

■ 53.3525, 57.5108,
96.2853

■ 34.4385, 35.9555,
93.1216

■ 62.0355, 66.6396,
97.5897

■ 30.2772, 30.5630,
92.3000

■ 72.0098, 76.8071,
99.0265

■ 27.0469, 25.9783,
91.5854

■ 83.3302, 88.0495,
100.5999

■ 24.6388, 22.1351,
90.9705

■ 93.6143, 99.1467,
102.1998

■ 23.5175, 20.1731,
90.6509

■ 93.7887, 99.4955,
102.2579

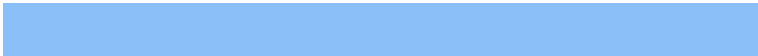
Harmonies

Analogous

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



40.4587, 49.3803, 86.5763



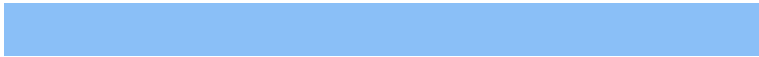
45.9005, 49.3803, 95.1078



52.1083, 49.3803, 90.7397

Triad

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



45.9005, 49.3803, 95.1078



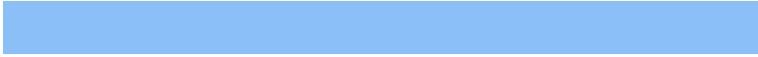
58.5077, 49.3803, 40.6938



37.8939, 49.3803, 36.5514

Complementary

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



45.9005, 49.3803, 95.1078



62.2382, 60.1941, 32.3848

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.



42.1150, 49.3803, 28.5117



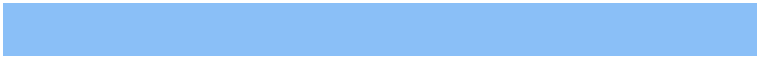
45.9005, 49.3803, 95.1078



54.0668, 49.3803, 30.5113

Square

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



45.9005, 49.3803, 95.1078



59.7431, 49.3803, 56.8056



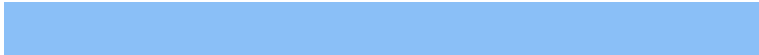
47.9839, 49.3803, 26.5703



36.1014, 49.3803, 50.8383

Rectangle

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



45.9005, 49.3803, 95.1078



55.8059, 49.3803, 81.5090



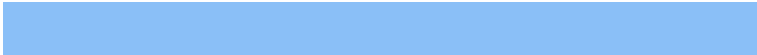
47.9839, 49.3803, 26.5703



39.0569, 49.3803, 33.1638

Sweetspot

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



45.9022, 49.3822, 95.1090



78.6938, 83.8569, 106.6461



53.3133, 75.7540, 61.9738



16.3024, 17.4045, 22.7501



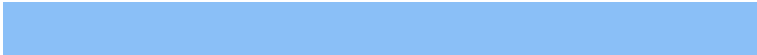
0.0000, 0.0000, 0.0000



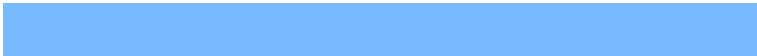
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9022, 49.3822, 95.1090



43.2425, 46.1374, 101.2340



36.3598, 30.2974, 91.9282



16.2463, 17.2569, 21.0172



12.5786, 10.9509, 47.9888



1.2080, 1.1674, 4.2519

Inverse Universe

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



56.8516, 41.7143, 54.3474



56.7553, 38.1836, 50.5915



76.2070, 88.1317, 37.0410



16.8349, 16.6168, 18.8771



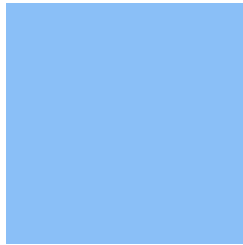
22.1536, 11.2049, 10.7831



1.9988, 1.0055, 1.2201

Previews

White Background



This preview shows how the XYZ color 45.9005, 49.3803, 95.1078 looks on a white background.

Color Contrast Check

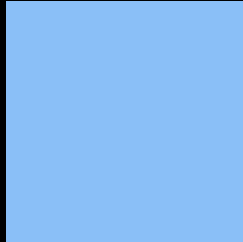
Large Text (above 18pt) WCAG AA × Fail

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 45.9005, 49.3803, 95.1078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

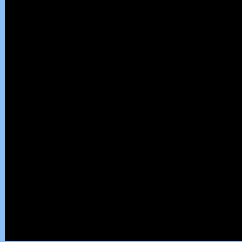
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

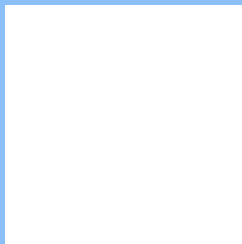
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9005, 49.3803, 95.1078

Background



This preview shows how black text looks on a background with the XYZ color 45.9005, 49.3803, 95.1078.



This preview shows how white text looks on a background with the XYZ color 45.9005, 49.3803,

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

45.9005, 49.3803, 95.1078

Protanopia

49.7451, 49.2378, 90.8864

Deuteranopia

50.3946, 49.1415, 96.4517



Tritanopia

40.8786, 49.3258, 70.3171

Trichromacy



Original Color

45.9005, 49.3803, 95.1078

Protanomaly

48.2000, 49.3414, 92.5714

Deuteranomaly

48.6027, 49.1642, 95.7349

Tritanomaly

42.6214, 49.3720, 78.5175

Monochromacy



Original Color

45.9005, 49.3803, 95.1078

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.2154, 47.2611, 65.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9005, 49.3803, 95.1078 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, 191, 247)` looks like.

```
.text, #text, p{  
    color:rgb(138, 191, 247)  
}
```

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, 191, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 191, 247) }
```

Border

The CSS property to change the border of an element to XYZ 45.9005, 49.3803, 95.1078 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, 191, 247) }
```


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

```
.border{ border-color:rgb(138, 191, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 191, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 191, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 191, 247); box-shadow:4px 4px 4px 4px rgb(138, 191, 247) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9005, 49.3803, 95.1078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 191, 247) }
```

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

```
.background{ background-color: rgb(138,  
191, 247) }
```

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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