

# Converting Colors

XYZ(44.7548, 44.8342, 93.3421)

Have a look what the booklet for  
XYZ(44.7548, 44.8342, 93.3421)  
contains.

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# Color

**XYZ(44.7677, 44.7905,  
93.4747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94B2F6
RGB	148, 178, 246
RGB Percent	58%, 70%, 96%
CMY	0.4196, 0.3019, 0.0353
CMYK	0.40, 0.28, 0.00, 0.04
HSL	222°, 84%, 77%
HSV	222°, 40%, 96%
XYZ	44.7677, 44.7905, 93.4747
YIQ	176.7820, -39.7080, 14.7880

# Conversions

## Conversions Part 2

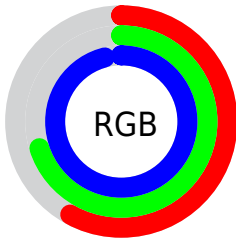
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	148, 171, 246
Decimal	9745142
CIE Lab	72.75, 6.47, -37.06
CIE LCh	73, 37.619, 279.899
Yxy	44.7905, 0.2446, 0.2447
Android (android.graphics.Color)	4287935222 (0xFF94B2F6)
YUV	176.7820, 34.1245, -25.2418
Hunter-Lab	66.9257, 2.2816, -35.9620

# Details

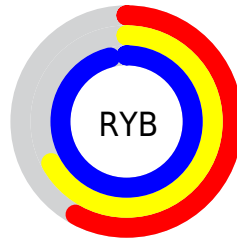
The XYZ color **44.7677, 44.7905, 93.4747** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.9085, 70.8443, 38.1140**, and the grayscale version is **41.5186, 43.6808, 47.5684**.

A 20% lighter version of the original color is **72.6497, 79.0448, 106.0359**, and **21.1604, 20.9230, 51.0674** is the 20% darker color. If you saturate the color by 10%, you get **37.5943, 36.3612, 92.2266**, and if you desaturate by 10%, it is **53.3123, 54.5558, 94.9101**.

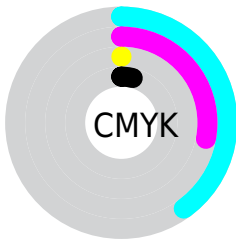
# Distribution



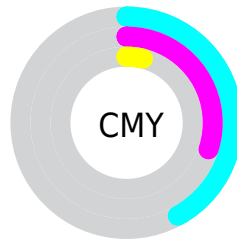
- Red (58%)
- Green (70%)
- Blue (96%)



- Red (58%)
- Yellow (67%)
- Blue (96%)



- Cyan (40%)
- Magenta (28%)
- Yellow (0%)
- Black (4%)



- Cyan (42%)
- Magenta (30%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7677, 44.7905, 93.4747 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 44.7677, 44.7905, 93.4747 by changing the saturation by 10% instead.



■ 44.7677, 44.7905,  
93.4747

■ 44.7677, 44.7905,  
93.4747

356.6315,  
365.9244, 560.1294

■ 31.4750, 31.2924,  
70.2763

■ 81.6109, 82.4059,  
154.1330

■ 21.1144, 20.8216,  
51.2736

■ 105.8921,  
107.2921, 192.4300

■ 13.3206, 12.9937,  
36.0482

134.5669,  
136.7431, 236.5969

■ 7.7282, 7.4242,  
24.1814

168.0006,  
171.1434, 287.0523

■ 3.9719, 3.7288,  
15.2548

206.5585,  
210.8772, 344.2147

■ 1.6862, 1.5230,  
8.8498

250.6061,

■ 0.4476, 0.3049,

256.3291, 408.5027

4.5479

300.5086,  
307.8833, 480.3347

■ 0.0000, 0.0000,  
1.9305

■ 0.0000, 0.0000,  
0.5120

■ 44.7677, 44.7905,  
93.4747

■ 44.7677, 44.7905,  
93.4747

■ 37.5943, 36.3612,  
92.2266

■ 53.3123, 54.5558,  
94.9101

■ 31.7116, 29.2008,  
91.1545

■ 63.2933, 65.7099,  
96.5370

■ 27.0373, 23.2435,  
90.2510

■ 74.7770, 78.3085,  
98.3635

■ 23.4769, 18.4145,  
89.5066

■ 87.8243, 92.4027,  
100.3963

■ 20.9199, 14.6289,  
88.9107

■ 93.6347, 99.4339,  
101.4472

■ 19.1958, 11.7685,  
88.4494

■ 19.1716, 11.7276,  
88.4428

# Harmonies

## Analogous

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



38.4001, 44.7905, 90.9436



44.7677, 44.7905, 93.4747



51.1465, 44.7905, 81.8940

# Triad

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



44.7677, 44.7905, 93.4747



52.9520, 44.7905, 29.1452



31.8338, 44.7905, 37.4229

# Complementary

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



44.7677, 44.7905, 93.4747



67.9085, 70.8443, 38.1140

# 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.



35.0138, 44.7905, 26.0527



44.7677, 44.7905, 93.4747



47.0357, 44.7905, 22.1902

# Square

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



44.7677, 44.7905, 93.4747



56.1810, 44.7905, 42.8437



40.4493, 44.7905, 21.2253



31.3599, 44.7905, 55.2174



# Rectangle

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



44.7677, 44.7905, 93.4747



54.3877, 44.7905, 69.1234



40.4493, 44.7905, 21.2253



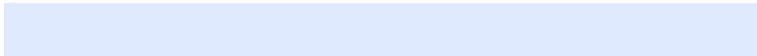
32.6050, 44.7905, 32.8632

# Sweetspot

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



44.7692, 44.7922, 93.4758



78.2712, 81.8445, 106.2800



57.4313, 77.1132, 76.1263



16.3942, 17.1255, 22.6914



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.



44.7692, 44.7922, 93.4758



42.0475, 40.9493, 100.2956



42.9450, 35.9389, 91.8631



15.9948, 16.7540, 20.9334



10.3412, 6.4762, 47.2430



0.9959, 0.7433, 4.1812



# Inverse Universe

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



56.6332, 43.9887, 47.6268



56.8351, 40.8306, 42.9500



70.3077, 84.5501, 40.6330



16.7080, 16.5660, 18.2088



21.0243, 10.7531, 4.8363



1.8918, 0.9627, 0.6564



# Previews

## White Background



This preview shows how the XYZ color 44.7677, 44.7905, 93.4747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

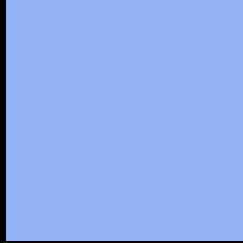
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7677, 44.7905, 93.4747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

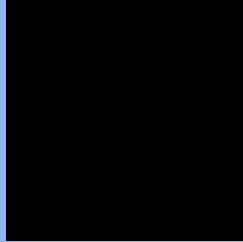
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.7677, 44.7905, 93.4747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7677, 44.7905, 93.4747.



This preview shows how white text looks on a background with the XYZ color 44.7677, 44.7905,



# 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

44.7677, 44.7905, 93.4747

### Protanopia

45.9550, 44.8514, 91.8231

### Deuteranopia

45.8702, 44.7724, 93.4131



## Tritanopia

38.4180, 44.6532, 61.8524

# Trichromacy



## Original Color

44.7677, 44.7905, 93.4747

## Protanomaly

45.5300, 44.9069, 92.6544

## Deuteranomaly

45.4936, 44.8704, 93.4519

## Tritanomaly

40.4424, 44.5394, 72.1111

# Monochromacy



## Original Color

44.7677, 44.7905, 93.4747

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

42.1087, 43.8155, 62.1150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7677, 44.7905, 93.4747 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(148, 178, 246)` looks like.

```
.text, #text, p{  
    color:rgb(148, 178, 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(148, 178, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 178, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7677, 44.7905, 93.4747 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(148, 178, 246) }
```



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

```
.border{ border-color:rgb(148, 178, 246) }
```

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

Here you see how a box with a 4 pixel rgb(148, 178, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 178, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 178, 246);  
box-shadow:4px 4px 4px 4px rgb(148, 178,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7677, 44.7905, 93.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 178, 246) }
```

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

```
.background{ background-color: rgb(148,  
178, 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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