

Converting Colors

XYZ(49.9145, 44.3089, 93.8400)

Have a look what the booklet for
XYZ(49.9145, 44.3089, 93.8400)
contains.

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Color

**XYZ(49.8986, 44.2979,
93.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	B6A7F7
RGB	182, 167, 247
RGB Percent	71%, 65%, 97%
CMY	0.2863, 0.3451, 0.0314
CMYK	0.26, 0.32, 0.00, 0.03
HSL	251°, 83%, 81%
HSV	251°, 32%, 97%
XYZ	49.8986, 44.2979, 93.9161
YIQ	180.6050, -16.7400, 28.0600

Conversions

Conversions Part 2

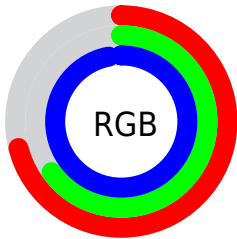
Format	Color
R _Y B	182, 167, 247
Decimal	11970551
CIE Lab	72.43, 22.20, -37.92
CIE LCh	72, 43.942, 300.349
Yxy	44.2979, 0.2653, 0.2355
Android (android.graphics.Color)	4290160631 (0xFFB6A7F7)
YUV	180.6050, 32.7327, 1.2234
Hunter-Lab	66.5567, 17.3501, -37.0727

Details

The XYZ color **49.8986, 44.2979, 93.9161** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.5156, 86.4683, 49.3763**, and the grayscale version is **43.5447, 45.8124, 49.8897**.

A 20% lighter version of the original color is **79.7679, 77.8133, 105.4230**, and **24.1774, 20.4912, 51.3961** is the 20% darker color. If you saturate the color by 10%, you get **41.3938, 33.8264, 92.3439**, and if you desaturate by 10%, it is **59.9498, 56.8513, 95.8102**.

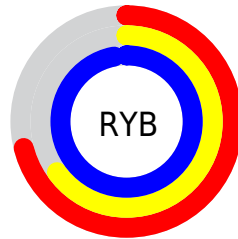
Distribution



Red (71%)

Green (65%)

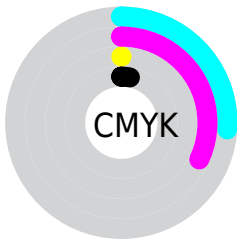
Blue (97%)



Red (71%)

Yellow (65%)

Blue (97%)

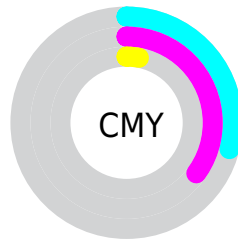


Cyan (26%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (29%)

Magenta (35%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8986, 44.2979, 93.9161 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 49.8986, 44.2979, 93.9161 by changing the saturation by 10% instead.

■ 49.8986, 44.2979,
93.9161

■ 49.8986, 44.2979,
93.9161

376.7278,
363.9225, 561.5846

■ 35.5503, 30.9048,
70.6413

■ 89.2173, 81.6658,
154.7490

■ 24.2556, 20.5263,
51.5695

■ 114.9185,
106.4094, 193.1441

■ 15.6491, 12.7782,
36.2822

145.1346,
135.7053, 237.4164

■ 9.3654, 7.2760,
24.3608

180.2312,
169.9378, 287.9844

■ 5.0393, 3.6353,
15.3868

220.5734,
209.4914, 345.2667

■ 2.3053, 1.4717,
8.9417

266.5266,

■ 0.7974, 0.2687,

254.7505, 409.6818

4.6069

318.4563,
306.0994, 481.6483

■ 0.0000, 0.0000,
1.9638

■ 0.0000, 0.0000,
0.5329

■ 49.8986, 44.2979,
93.9161

■ 49.8986, 44.2979,
93.9161

■ 41.3938, 33.8264,
92.3439

■ 59.9498, 56.8513,
95.8102

■ 34.3527, 25.3180,
91.0727

■ 71.6154, 71.5862,
98.0394

■ 28.6918, 18.6499,
90.0840

■ 84.9646, 88.6019,
100.6202

■ 24.3167, 13.6832,
89.3559

■ 93.7886, 99.4955,
102.2578

■ 21.1210, 10.2586,
88.8634

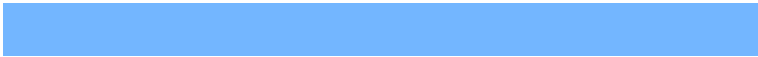
■ 18.9792, 8.1855,
88.5761

■ 17.9295, 7.3036,
88.4612

Harmonies

Analogous

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



42.1927, 44.2979, 103.1115



49.8986, 44.2979, 93.9161



56.0695, 44.2979, 71.9463

Triad

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



49.8986, 44.2979, 93.9161



49.7265, 44.2979, 20.3093



29.1562, 44.2979, 48.4877

Complementary

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



49.8986, 44.2979, 93.9161



73.5156, 86.4683, 49.3763

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.



30.6741, 44.2979, 30.4030



49.8986, 44.2979, 93.9161



42.0151, 44.2979, 17.3937

Square

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



49.8986, 44.2979, 93.9161



55.9621, 44.2979, 30.0803



35.1663, 44.2979, 20.4525



30.7460, 44.2979, 72.5229

Rectangle

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



49.8986, 44.2979, 93.9161



58.1534, 44.2979, 55.5675



35.1663, 44.2979, 20.4525



29.3176, 44.2979, 41.5739

Sweetspot

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



49.9001, 44.2996, 93.9171



80.2320, 81.0758, 106.0283



61.6767, 72.8332, 98.8040



16.7590, 16.8274, 22.6147



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.



49.9001, 44.2996, 93.9171



47.3625, 39.8675, 99.8067



60.6308, 49.8315, 94.4193



15.8710, 16.0762, 20.8091



9.5687, 3.9072, 46.7879



0.9183, 0.3833, 4.1158

Inverse Universe

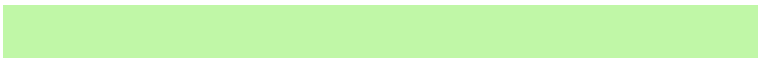
The Inverse Universe completely reimagines the original color for something new.



66.7432, 53.2393, 83.1035



68.2448, 50.9629, 85.8661



62.0599, 80.5627, 48.8402



17.0726, 16.7119, 20.1286



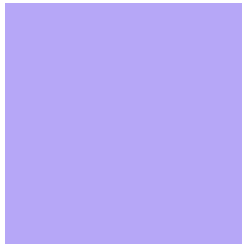
25.8922, 12.7003, 30.4702



2.3093, 1.1297, 2.8553

Previews

White Background



This preview shows how the XYZ color 49.8986, 44.2979, 93.9161 looks on a white background.

Color Contrast Check

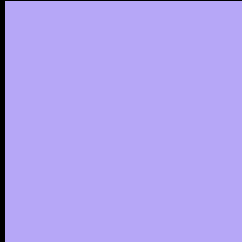
Large Text (above 18pt) WCAG AA × Fail

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 49.8986, 44.2979, 93.9161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

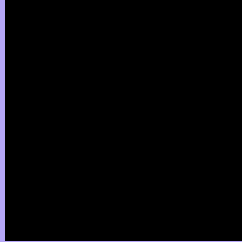
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8986, 44.2979, 93.9161

Background



This preview shows how black text looks on a background with the XYZ color 49.8986, 44.2979, 93.9161.



This preview shows how white text looks on a background with the XYZ color 49.8986, 44.2979,

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

49.8986, 44.2979, 93.9161

Protanopia

46.1965, 44.5241, 99.0877

Deuteranopia

45.5217, 44.3204, 92.5416



Tritanopia

42.2294, 44.3045, 56.1951

Trichromacy



Original Color

49.8986, 44.2979, 93.9161

Protanomaly

47.4750, 44.3626, 97.3274

Deuteranomaly

46.9041, 44.1582, 93.2400

Tritanomaly

44.6989, 44.1395, 68.4512

Monochromacy



Original Color

49.8986, 44.2979, 93.9161

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.6008, 45.2822, 64.0945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8986, 44.2979, 93.9161 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(182, 167, 247)` looks like.

```
.text, #text, p{  
    color:rgb(182, 167, 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(182, 167, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 167, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.8986, 44.2979, 93.9161 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(182, 167, 247) }
```


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

```
.border{ border-color:rgb(182, 167, 247) }
```

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

Here you see how a box with a 4 pixel rgb(182, 167, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 167, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 167, 247);  
box-shadow:4px 4px 4px 4px rgb(182, 167,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8986, 44.2979, 93.9161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 167, 247) }
```

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

```
.background{ background-color: rgb(182,  
167, 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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