

Converting Colors

XYZ(49.5292, 44.7965, 94.4443)

Have a look what the booklet for
XYZ(49.5292, 44.7965, 94.4443)
contains.

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Color

**XYZ(49.6781, 44.9917,
94.8729)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AAF8
RGB	178, 170, 248
RGB Percent	70%, 67%, 97%
CMY	0.3019, 0.3333, 0.0274
CMYK	0.28, 0.31, 0.00, 0.03
HSL	246°, 85%, 82%
HSV	246°, 31%, 97%
XYZ	49.6781, 44.9917, 94.8729
YIQ	181.2840, -20.2700, 25.9540

Conversions

Conversions Part 2

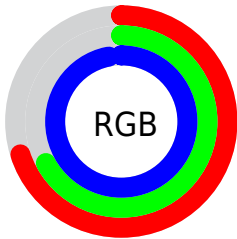
Format	Color
R _Y B	178, 170, 248
Decimal	11709176
CIE Lab	72.89, 19.63, -37.77
CIE LCh	73, 42.568, 297.458
Yxy	44.9917, 0.2621, 0.2374
Android (android.graphics.Color)	4289899256 (0xFFB2AAF8)
YUV	181.2840, 32.8910, -2.8801
Hunter-Lab	67.0759, 14.8189, -36.9074

Details

The XYZ color **49.6781, 44.9917, 94.8729** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.7592, 88.5633, 51.0807**, and the grayscale version is **43.9113, 46.1981, 50.3097**.

A 20% lighter version of the original color is **79.2362, 78.7326, 105.6285**, and **24.0508, 20.9294, 52.0624** is the 20% darker color. If you saturate the color by 10%, you get **40.7613, 34.1330, 93.2477**, and if you desaturate by 10%, it is **60.3034, 58.0347, 96.8312**.

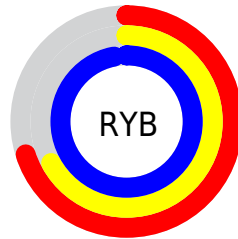
Distribution



Red (70%)

Green (67%)

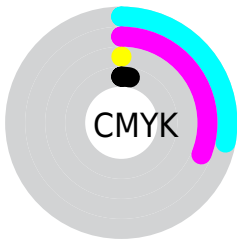
Blue (97%)



Red (70%)

Yellow (67%)

Blue (97%)

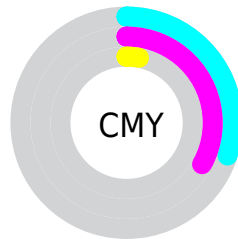


Cyan (28%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (30%)

Magenta (33%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6781, 44.9917, 94.8729 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 49.6781, 44.9917, 94.8729 by changing the saturation by 10% instead.

■ 49.6781, 44.9917,
94.8729

■ 49.6781, 44.9917,
94.8729

375.8786,
366.7399, 564.7319

■ 35.3744, 31.4509,
71.4329

■ 88.8924, 82.7080,
156.0831

■ 24.1193, 20.9424,
52.2115

114.5338,
107.6522, 194.6903

■ 15.5474, 13.0819,
36.7903

144.6852,
137.1664, 239.1904

■ 9.2932, 7.4850,
24.7507

179.7118,
171.6348, 290.0018

■ 4.9916, 3.7672,
15.6741

219.9791,
211.4421, 347.5431

■ 2.2770, 1.5442,
9.1420

265.8525,

■ 0.7829, 0.3195,

256.9724, 412.2329

4.7358

317.6972,
308.6102, 484.4897

■ 0.0000, 0.0000,
2.0371

■ 0.0000, 0.0000,
0.5779

■ 49.6781, 44.9917,
94.8729

■ 49.6781, 44.9917,
94.8729

■ 40.7613, 34.1330,
93.2477

■ 60.3034, 58.0347,
96.8312

■ 33.4590, 25.3341,
91.9342

■ 72.7153, 73.3672,
99.1365

■ 27.6752, 18.4656,
90.9133

■ 86.9926, 91.0935,
101.8055

■ 23.3018, 13.3816,
90.1625

■ 93.9434, 99.5574,
103.0729

■ 20.2162, 9.9150,
89.6560

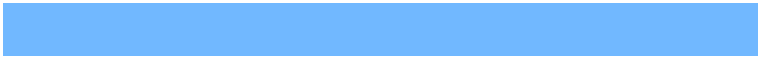
■ 18.2741, 7.8670,
89.3631

■ 17.3552, 6.9896,
89.2422

Harmonies

Analogous

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



42.1342, 44.9917, 102.1330



49.6781, 44.9917, 94.8729



55.9397, 44.9917, 74.3913

Triad

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



49.6781, 44.9917, 94.8729



50.8980, 44.9917, 22.0047



30.0456, 44.9917, 47.2000

Complementary

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



49.6781, 44.9917, 94.8729



76.7592, 88.5633, 51.0807

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.



31.8377, 44.9917, 30.1472



49.6781, 44.9917, 94.8729



43.3986, 44.9917, 18.4766

Square

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



49.6781, 44.9917, 94.8729



56.6992, 44.9917, 32.4734



36.5218, 44.9917, 20.9598



31.3212, 44.9917, 70.3248

Rectangle

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



49.6781, 44.9917, 94.8729



58.2404, 44.9917, 58.3984



36.5218, 44.9917, 20.9598



30.3041, 44.9917, 40.6476

Sweetspot

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



49.6797, 44.9935, 94.8739



80.9851, 82.5223, 106.2678



64.7411, 77.7625, 100.4052



16.8806, 17.1009, 22.6610



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.



49.6797, 44.9935, 94.8739



46.4506, 40.0369, 99.8874



59.8752, 50.2495, 95.3511



16.4482, 16.7282, 21.7472



9.4283, 3.8031, 48.2107



0.9263, 0.3796, 4.4676

Inverse Universe

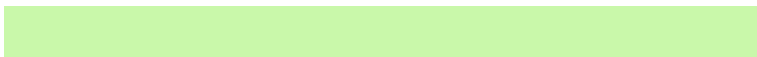
The Inverse Universe completely reimagines the original color for something new.



68.8154, 54.9987, 89.4277



69.9747, 52.3442, 92.8506



64.9656, 82.4834, 50.5287



17.9118, 17.4921, 21.3913



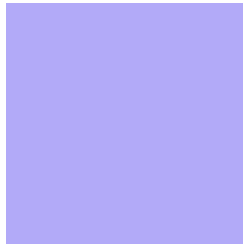
28.1058, 13.6581, 38.8614



2.6245, 1.2736, 3.7122

Previews

White Background



This preview shows how the XYZ color 49.6781, 44.9917, 94.8729 looks on a white background.

Color Contrast Check

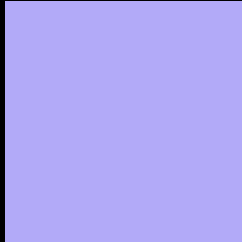
Large Text (above 18pt) WCAG AA × Fail

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 49.6781, 44.9917, 94.8729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

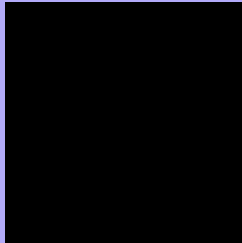
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6781, 44.9917, 94.8729

Background



This preview shows how black text looks on a background with the XYZ color 49.6781, 44.9917, 94.8729.



This preview shows how white text looks on a background with the XYZ color 49.6781, 44.9917,

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

49.6781, 44.9917, 94.8729

Protanopia

46.7725, 45.1111, 99.1706

Deuteranopia

46.4153, 45.3278, 94.2985



Tritanopia

42.1079, 44.7981, 58.0573

Trichromacy



Original Color

49.6781, 44.9917, 94.8729

Protanomaly

47.6529, 45.0237, 97.4456

Deuteranomaly

47.4416, 44.9868, 94.1786

Tritanomaly

44.4575, 44.5636, 69.8768

Monochromacy



Original Color

49.6781, 44.9917, 94.8729

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.5640, 45.5554, 64.1492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6781, 44.9917, 94.8729 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(178, 170, 248)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 248)  
}
```

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(178, 170, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.6781, 44.9917, 94.8729 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(178, 170, 248) }
```


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

```
.border{ border-color:rgb(178, 170, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 170, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 170, 248);  
box-shadow:4px 4px 4px 4px rgb(178, 170,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6781, 44.9917, 94.8729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 248) }
```

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

```
.background{ background-color: rgb(178,  
170, 248) }
```

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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