

Converting Colors

XYZ(47.4919, 44.3924, 96.4215)

Have a look what the booklet for
XYZ(47.4919, 44.3924, 96.4215)
contains.

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Color

**XYZ(47.5249, 44.4065,
96.5090)**

Conversions

Conversions Part 1

Format	Color
Hex	A5ACFA
RGB	165, 172, 250
RGB Percent	65%, 67%, 98%
CMY	0.3529, 0.3255, 0.0196
CMYK	0.34, 0.31, 0.00, 0.02
HSL	235°, 89%, 81%
HSV	235°, 34%, 98%
XYZ	47.5249, 44.4065, 96.5090
YIQ	178.7990, -29.2100, 22.7740

Conversions

Conversions Part 2

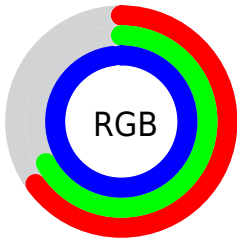
Format	Color
R _Y B	165, 171, 250
Decimal	10857722
CIE Lab	72.50, 15.39, -39.53
CIE LCh	72, 42.422, 291.273
Yxy	44.4065, 0.2522, 0.2357
Android (android.graphics.Color)	4289047802 (0xFFA5ACFA)
YUV	178.7990, 35.1021, -12.1017
Hunter-Lab	66.6382, 10.6854, -39.2202

Details

The XYZ color **47.5249, 44.4065, 96.5090** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.2677, 87.1431, 48.2943**, and the grayscale version is **42.5723, 44.7894, 48.7757**.

A 20% lighter version of the original color is **75.6433, 77.6878, 105.6162**, and **22.7725, 20.5982, 53.2277** is the 20% darker color. If you saturate the color by 10%, you get **38.8285, 33.9924, 94.9580**, and if you desaturate by 10%, it is **57.9944, 56.8552, 98.3608**.

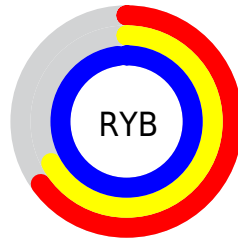
Distribution



Red (65%)

Green (67%)

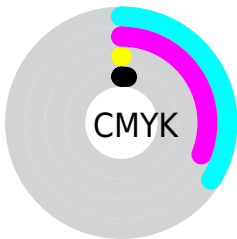
Blue (98%)



Red (65%)

Yellow (67%)

Blue (98%)

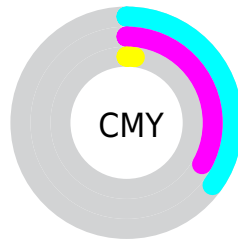


Cyan (34%)

Magenta (31%)

Yellow (0%)

Black (2%)



Cyan (35%)

Magenta (33%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5249, 44.4065, 96.5090 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 47.5249, 44.4065, 96.5090 by changing the saturation by 10% instead.

■ 47.5249, 44.4065,
96.5090

■ 47.5249, 44.4065,
96.5090

367.5199,
364.3645, 570.0920

■ 33.6605, 30.9902,
72.7877

■ 85.7106, 81.8291,
158.3612

■ 22.7945, 20.5914,
53.3117

■ 110.7626,
106.6042, 197.3292

■ 14.5617, 12.8257,
37.6622

140.2745,
135.9343, 242.2165

■ 8.5967, 7.3086,
25.4208

174.6116,
170.2039, 293.4417

■ 4.5341, 3.6558,
16.1690

214.1394,
209.7973, 351.4233

■ 2.0085, 1.4830,
9.4882

259.2231,

■ 0.6387, 0.2767,

255.0989, 416.5798

4.9598

310.2281,
306.4932, 489.3299

■ 0.0000, 0.0000,
2.1654

■ 0.0000, 0.0000,
0.6543

■ 47.5249, 44.4065,
96.5090

■ 47.5249, 44.4065,
96.5090

■ 38.8285, 33.9924,
94.9580

■ 57.9944, 56.8552,
98.3608

■ 31.8024, 25.4998,
93.6891

■ 70.3228, 71.4336,
100.5250

■ 26.3403, 18.8122,
92.6861

■ 84.5963, 88.2366,
103.0160

■ 22.3218, 13.7983,
91.9302

■ 94.2555, 99.6822,
104.7161

■ 19.6085, 10.3090,
91.3997

■ 18.0348, 8.1682,
91.0694

■ 17.5161, 7.4235,
90.9530

Harmonies

Analogous

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



40.1063, 44.4065, 100.1703



47.5249, 44.4065, 96.5090



54.1732, 44.4065, 78.2239

Triad

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



47.5249, 44.4065, 96.5090



51.6437, 44.4065, 23.2200



29.7624, 44.4065, 42.4867

Complementary

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



47.5249, 44.4065, 96.5090



78.2677, 87.1431, 48.2943

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.



32.1471, 44.4065, 27.2551



47.5249, 44.4065, 96.5090



44.3799, 44.4065, 18.4403

Square

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



47.5249, 44.4065, 96.5090



56.7360, 44.4065, 35.1458



37.3015, 44.4065, 19.6661



30.3979, 44.4065, 64.5083

Rectangle

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



47.5249, 44.4065, 96.5090



56.9970, 44.4065, 62.4891



37.3015, 44.4065, 19.6661



30.2263, 44.4065, 36.5246

Sweetspot

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



47.5265, 44.4082, 96.5100



79.2670, 81.4486, 106.1511



65.8690, 82.8377, 97.2467



16.5276, 16.9164, 22.6440



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.



47.5265, 44.4082, 96.5100



43.1190, 38.5636, 99.7786



54.6429, 46.1510, 96.4714



16.3979, 16.8726, 21.7778



9.3313, 4.0182, 48.2573



0.9024, 0.4485, 4.4822

Inverse Universe

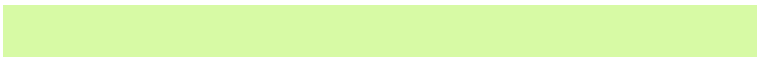
The Inverse Universe completely reimagines the original color for something new.



60.3272, 50.2145, 45.5441



58.4815, 45.7219, 38.5709



68.8806, 85.4730, 48.4667



17.3026, 17.2484, 18.1833



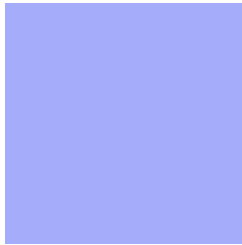
21.0020, 10.8165, 1.4532



1.9644, 1.0095, 0.2360

Previews

White Background



This preview shows how the XYZ color 47.5249, 44.4065, 96.5090 looks on a white background.

Color Contrast Check

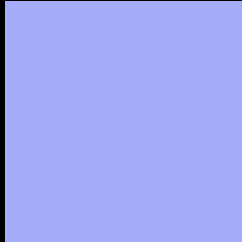
Large Text (above 18pt) WCAG AA × Fail

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 47.5249, 44.4065, 96.5090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

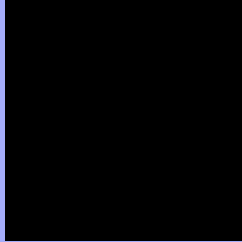
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5249, 44.4065, 96.5090

Background



This preview shows how black text looks on a background with the XYZ color 47.5249, 44.4065, 96.5090.



This preview shows how white text looks on a background with the XYZ color 47.5249, 44.4065,

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

47.5249, 44.4065, 96.5090

Protanopia

46.0375, 44.4605, 98.2508

Deuteranopia

45.7611, 44.6625, 95.8314



Tritanopia

39.9429, 44.2594, 59.2610

Trichromacy



Original Color

47.5249, 44.4065, 96.5090

Protanomaly

46.4533, 44.4052, 97.3895

Deuteranomaly

46.3335, 44.6676, 95.8022

Tritanomaly

42.2197, 43.9668, 71.2270

Monochromacy



Original Color

47.5249, 44.4065, 96.5090

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.0003, 44.4571, 64.0196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5249, 44.4065, 96.5090 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(165, 172, 250)` looks like.

```
.text, #text, p{  
    color:rgb(165, 172, 250)  
}
```

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(165, 172, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 172, 250) }
```

Border

The CSS property to change the border of an element to XYZ 47.5249, 44.4065, 96.5090 is called "border". The border property can be set on classes, ids or directly on the HTML element.

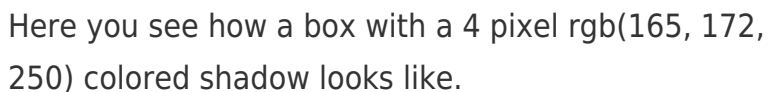
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 172, 250) }
```


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

```
.border{ border-color:rgb(165, 172, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 172, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 172, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 172, 250);  
box-shadow:4px 4px 4px 4px rgb(165, 172,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5249, 44.4065, 96.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 172, 250) }
```

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

```
.background{ background-color: rgb(165,  
172, 250) }
```

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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