

Converting Colors

XYZ(47.5622, 40.6100, 99.9395)

Have a look what the booklet for
XYZ(47.5622, 40.6100, 99.9395)
contains.

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Color

**XYZ(47.5104, 40.5580,
99.9321)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9EFF
RGB	173, 158, 255
RGB Percent	68%, 62%, 100%
CMY	0.3216, 0.3804, 0.0000
CMYK	0.32, 0.38, 0.00, 0.00
HSL	249°, 100%, 81%
HSV	249°, 38%, 100%
XYZ	47.5104, 40.5580, 99.9321
YIQ	173.5430, -22.1970, 33.3470

Conversions

Conversions Part 2

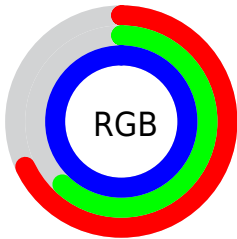
Format	Color
R _Y B	173, 158, 255
Decimal	11378431
CIE Lab	69.87, 26.71, -46.32
CIE LCh	70, 53.466, 299.966
Yxy	40.5580, 0.2527, 0.2157
Android (android.graphics.Color)	4289568511 (0xFFAD9EFF)
YUV	173.5430, 40.1583, -0.4762
Hunter-Lab	63.6852, 21.7155, -48.4558

Details

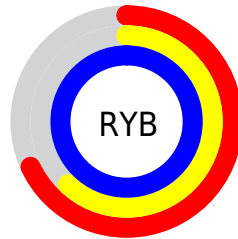
The XYZ color **47.5104, 40.5580, 99.9321** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.8670, 92.5140, 46.1022**, and the grayscale version is **39.8082, 41.8813, 45.6088**.

A 20% lighter version of the original color is **74.4774, 71.6315, 104.5086**, and **22.9220, 18.4442, 55.7780** is the 20% darker color. If you saturate the color by 10%, you get **39.2153, 30.4815, 98.4244**, and if you desaturate by 10%, it is **57.4796, 52.8386, 101.7771**.

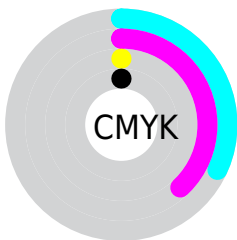
Distribution



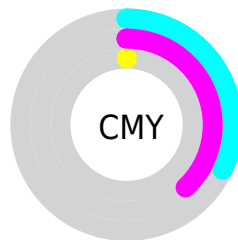
- Red (68%)
- Green (62%)
- Blue (100%)



- Red (68%)
- Yellow (62%)
- Blue (100%)



- Cyan (32%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5104, 40.5580, 99.9321 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 47.5104, 40.5580, 99.9321 by changing the saturation by 10% instead.

47.5104, 40.5580,
99.9321

47.5104, 40.5580,
99.9321

367.4631,
348.4699, 581.2198

33.6490, 27.9739,
75.6273

85.6891, 76.0125,
163.1149

22.7857, 18.3060,
55.6221

110.7371, 99.6516,
202.8300

14.5551, 11.1699,
39.4981

140.2446,
127.7445, 248.5189

8.5921, 6.1812,
26.8366

174.5771,
160.6756, 300.6002

4.5310, 2.9556,
17.2192

214.0998,
198.8293, 359.4924

2.0067, 1.1086,
10.2273

259.1781,

0.6377, 0.0000,

242.5900, 425.6140

5.4423

310.1775,
292.3421, 499.3836

■ 0.0000, 0.0000,
2.4458

■ 0.0000, 0.0000,
0.8112

■ 47.5104, 40.5580,
99.9321

■ 47.5104, 40.5580,
99.9321

■ 39.2153, 30.4815,
98.4244

■ 57.4796, 52.8386,
101.7771

■ 32.4971, 22.4732,
97.2327

■ 69.2046, 67.4393,
103.9773

■ 27.2550, 16.3891,
96.3347

■ 82.7666, 84.4733,
106.5504

■ 23.3740, 12.0642,
95.7044

95.0500, 100.0000,
108.9000

■ 20.7217, 9.3056,
95.3117

■ 19.1286, 7.8567,
95.1160

■ 18.9032, 7.6599,
95.0899

Harmonies

Analogous

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



38.5392, 40.5580, 111.3667



47.5104, 40.5580, 99.9321



54.8967, 40.5580, 72.6981

Triad

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



47.5104, 40.5580, 99.9321



47.5302, 40.5580, 14.3402



24.1399, 40.5580, 44.1323

Complementary

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



47.5104, 40.5580, 99.9321



77.8670, 92.5140, 46.1022

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.



25.8193, 40.5580, 24.2811



47.5104, 40.5580, 99.9321



38.5591, 40.5580, 11.5141

Square

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



47.5104, 40.5580, 99.9321



54.9092, 40.5580, 24.3141



30.7922, 40.5580, 14.3267



25.8117, 40.5580, 72.6294

Rectangle

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



47.5104, 40.5580, 99.9321



57.4512, 40.5580, 53.0327



30.7922, 40.5580, 14.3267



24.3274, 40.5580, 36.3379

Sweetspot

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



47.5118, 40.5595, 99.9324



78.5534, 79.1677, 105.7484



63.4441, 77.0752, 106.1409



16.4127, 16.4411, 22.5583



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.



47.5118, 40.5595, 99.9324



40.7748, 32.3629, 98.7053



60.1118, 47.0551, 100.5220



17.2645, 17.5126, 22.7203



9.9546, 4.0423, 49.6902



1.0417, 0.4309, 4.8415

Inverse Universe

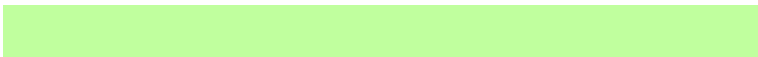
The Inverse Universe completely reimagines the original color for something new.



69.1956, 52.0061, 88.8293



65.5511, 45.4572, 85.3329



63.6580, 85.1890, 45.4373



18.6648, 18.2492, 22.1182



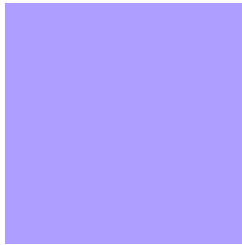
28.0415, 13.7059, 35.1984



2.7614, 1.3469, 3.5911

Previews

White Background



This preview shows how the XYZ color 47.5104, 40.5580, 99.9321 looks on a white background.

Color Contrast Check

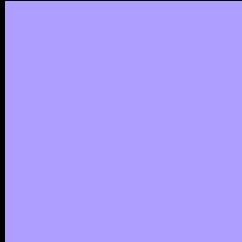
Large Text (above 18pt) WCAG AA × Fail

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 47.5104, 40.5580, 99.9321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

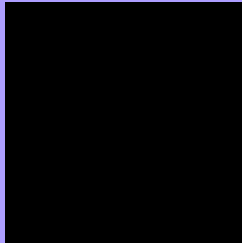
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5104, 40.5580, 99.9321

Background



This preview shows how black text looks on a background with the XYZ color 47.5104, 40.5580, 99.9321.



This preview shows how white text looks on a background with the XYZ color 47.5104, 40.5580,

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

47.5104, 40.5580, 99.9321

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

42.0960, 40.9922, 98.6221



Tritanopia

37.9135, 40.4211, 52.2582

Trichromacy



Original Color

47.5104, 40.5580, 99.9321

Protanomaly

44.2744, 40.4463, 100.0812

Deuteranomaly

43.9200, 40.8178, 99.3297

Tritanomaly

40.8864, 40.2331, 67.2388

Monochromacy



Original Color

47.5104, 40.5580, 99.9321

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.2377, 41.3157, 62.2485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5104, 40.5580, 99.9321 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(173, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 158, 255)  
}
```

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(173, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5104, 40.5580, 99.9321 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(173, 158, 255) }
```


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

```
.border{ border-color:rgb(173, 158, 255) }
```

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

Here you see how a box with a 4 pixel rgb(173, 158, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5104, 40.5580, 99.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 158, 255) }
```

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

```
.background{ background-color: rgb(173,  
158, 255) }
```

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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