

Converting Colors

XYZ(45.9945, 41.5175, 91.2179)

Have a look what the booklet for
XYZ(45.9945, 41.5175, 91.2179)
contains.

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Color

**XYZ(45.9668, 41.5176,
91.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A4F4
RGB	169, 164, 244
RGB Percent	66%, 64%, 96%
CMY	0.3372, 0.3568, 0.0431
CMYK	0.31, 0.33, 0.00, 0.04
HSL	244°, 78%, 80%
HSV	244°, 33%, 96%
XYZ	45.9668, 41.5176, 91.1789
YIQ	174.6150, -22.7000, 25.9400

Conversions

Conversions Part 2

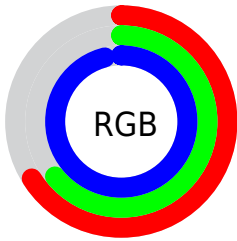
Format	Color
R _Y B	169, 164, 244
Decimal	11117812
CIE Lab	70.54, 19.46, -39.31
CIE LCh	71, 43.866, 296.342
Yxy	41.5176, 0.2573, 0.2324
Android (android.graphics.Color)	4289307892 (0xFFA9A4F4)
YUV	174.6150, 34.2068, -4.9244
Hunter-Lab	64.4342, 14.5807, -38.7957

Details

The XYZ color **45.9668, 41.5176, 91.1789** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.6489, 85.7332, 47.7373**, and the grayscale version is **40.3874, 42.4907, 46.2724**.

A 20% lighter version of the original color is **74.7455, 74.0518, 104.9617**, and **21.7032, 18.7536, 49.4896** is the 20% darker color. If you saturate the color by 10%, you get **37.5264, 31.2949, 89.6513**, and if you desaturate by 10%, it is **56.1062, 53.8613, 93.0278**.

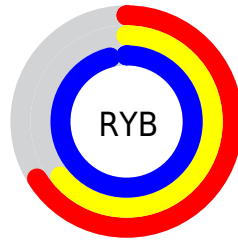
Distribution



Red (66%)

Green (64%)

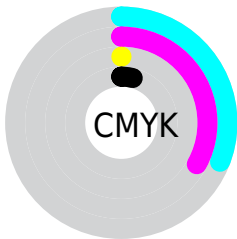
Blue (96%)



Red (66%)

Yellow (64%)

Blue (96%)

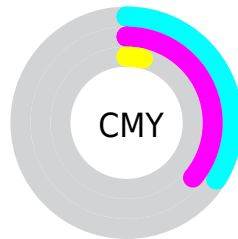


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (34%)

Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9668, 41.5176, 91.1789 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 45.9668, 41.5176, 91.1789 by changing the saturation by 10% instead.

■ 45.9668, 41.5176,
91.1789

■ 45.9668, 41.5176,
91.1789

361.3933,
352.4793, 552.5271

■ 32.4241, 28.7237,
68.3796

■ 83.3975, 77.4690,
150.9247

■ 21.8428, 18.8719,
49.7380

■ 108.0162,
101.3954, 188.7082

■ 13.8574, 11.5778,
34.8356

137.0577,
129.8013, 232.3236

■ 8.1026, 6.4569,
23.2537

170.8872,
163.0713, 282.1894

■ 4.2130, 3.1248,
14.5739

209.8702,
201.5897, 338.7241

■ 1.8233, 1.1972,
8.3776

254.3720,

■ 0.5317, 0.0595,

245.7409, 402.3462

4.2463

304.7579,
295.9093, 473.4744

■ 0.0000, 0.0000,
1.7614

■ 0.0000, 0.0000,
0.4023

■ 45.9668, 41.5176,
91.1789

■ 45.9668, 41.5176,
91.1789

■ 37.5264, 31.2949,
89.6513

■ 56.1062, 53.8613,
93.0278

■ 30.6879, 23.0692,
88.4240

■ 68.0261, 68.4312,
95.2118

■ 25.3510, 16.7112,
87.4781

■ 81.8077, 85.3309,
97.7474

■ 21.4025, 12.0742,
86.7912

■ 93.3293, 99.3117,
99.8387

■ 18.7126, 8.9896,
86.3376

■ 17.1272, 7.2547,
86.0862

■ 16.5304, 6.6354,
85.9982

Harmonies

Analogous

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



38.5796, 41.5176, 97.8131



45.9668, 41.5176, 91.1789



52.2208, 41.5176, 71.1008

Triad

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



45.9668, 41.5176, 91.1789



47.6913, 41.5176, 19.4769



27.1342, 41.5176, 42.7089

Complementary

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



45.9668, 41.5176, 91.1789



74.6489, 85.7332, 47.7373

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.



28.9703, 41.5176, 26.5123



45.9668, 41.5176, 91.1789



40.3562, 41.5176, 15.9478

Square

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



45.9668, 41.5176, 91.1789



53.2989, 41.5176, 29.7211



33.6004, 41.5176, 18.0614



28.2534, 41.5176, 65.3062

Rectangle

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



45.9668, 41.5176, 91.1789



54.5946, 41.5176, 55.2894



33.6004, 41.5176, 18.0614



27.4199, 41.5176, 36.4291

Sweetspot

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



45.9683, 41.5192, 91.1799



79.1932, 80.5403, 105.9796



62.8002, 76.7453, 97.0921



16.5099, 16.6990, 22.6030



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.



45.9683, 41.5192, 91.1799



44.7159, 38.5031, 99.6828



55.6183, 46.4940, 91.6315



15.6770, 15.9761, 20.8000



9.0255, 3.6271, 46.7624



0.8263, 0.3358, 4.1115

Inverse Universe

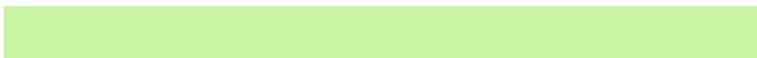
The Inverse Universe completely reimagines the original color for something new.



66.1647, 52.0174, 88.2149



70.1183, 51.7123, 95.7317



62.8721, 79.6620, 47.1861



17.1663, 16.7494, 20.6222



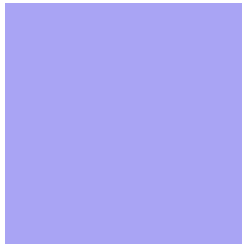
27.9764, 13.5340, 41.4458



2.4722, 1.1948, 3.7128

Previews

White Background



This preview shows how the XYZ color 45.9668, 41.5176, 91.1789 looks on a white background.

Color Contrast Check

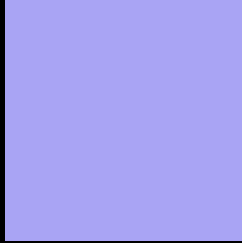
Large Text (above 18pt) WCAG AA × Fail

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 45.9668, 41.5176, 91.1789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

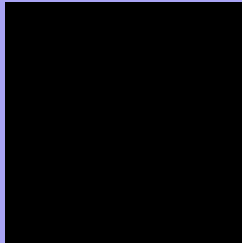
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9668, 41.5176, 91.1789

Background



This preview shows how black text looks on a background with the XYZ color 45.9668, 41.5176, 91.1789.



This preview shows how white text looks on a background with the XYZ color 45.9668, 41.5176,

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

45.9668, 41.5176, 91.1789

Protanopia

43.5062, 41.7920, 95.3962

Deuteranopia

42.7732, 41.7999, 90.6078



Tritanopia

38.4199, 41.5022, 54.1299

Trichromacy



Original Color

45.9668, 41.5176, 91.1789

Protanomaly

44.3087, 41.6892, 93.7072

Deuteranomaly

43.6979, 41.4449, 90.4906

Tritanomaly

40.7695, 41.3063, 66.1457

Monochromacy



Original Color

45.9668, 41.5176, 91.1789

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.2218, 42.1802, 60.5598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9668, 41.5176, 91.1789 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(169, 164, 244)` looks like.

```
.text, #text, p{  
    color:rgb(169, 164, 244)  
}
```

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(169, 164, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 164, 244) }
```

Border

The CSS property to change the border of an element to XYZ 45.9668, 41.5176, 91.1789 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(169, 164, 244) }
```


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

```
.border{ border-color:rgb(169, 164, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 164, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 164, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 164, 244);  
box-shadow:4px 4px 4px 4px rgb(169, 164,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9668, 41.5176, 91.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 164, 244) }
```

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

```
.background{ background-color: rgb(169,  
164, 244) }
```

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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