

Converting Colors

XYZ(45.7069, 38.3209, 93.6571)

Have a look what the booklet for
XYZ(45.7069, 38.3209, 93.6571)
contains.

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Color

**XYZ(45.6271, 38.2325,
93.7817)**

Conversions

Conversions Part 1

Format	Color
Hex	AE98F8
RGB	174, 152, 248
RGB Percent	68%, 60%, 97%
CMY	0.3176, 0.4039, 0.0274
CMYK	0.30, 0.39, 0.00, 0.03
HSL	254°, 87%, 78%
HSV	254°, 39%, 97%
XYZ	45.6271, 38.2325, 93.7817
YIQ	169.5220, -17.7040, 34.5200

Conversions

Conversions Part 2

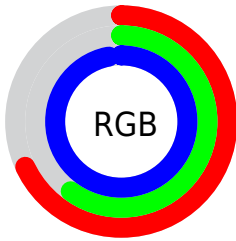
Format	Color
RYB	174, 152, 248
Decimal	11442424
CIELab	68.19, 28.60, -45.13
CIELCh	68, 53.433, 302.367
Yxy	38.2325, 0.2568, 0.2152
Android (android.graphics.Color)	4289632504 (0xFFAE98F8)
YUV	169.5220, 38.6897, 3.9272
Hunter-Lab	61.8324, 23.5111, -46.6429

Details

The XYZ color **45.6271, 38.2325, 93.7817** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.5996, 85.5713, 42.5031**, and the grayscale version is **37.7923, 39.7604, 43.2991**.

A 20% lighter version of the original color is **73.0763, 68.3515, 103.9494**, and **21.6654, 16.9909, 51.4279** is the 20% darker color. If you saturate the color by 10%, you get **38.0549, 28.9660, 92.3929**, and if you desaturate by 10%, it is **54.6497, 49.4973, 95.4812**.

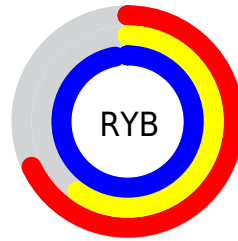
Distribution



Red (68%)

Green (60%)

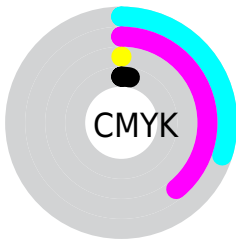
Blue (97%)



Red (68%)

Yellow (60%)

Blue (97%)

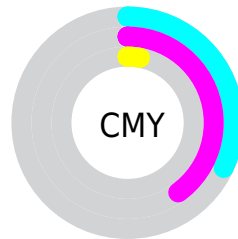


Cyan (30%)

Magenta (39%)

Yellow (0%)

Black (3%)



Cyan (32%)

Magenta (40%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6271, 38.2325, 93.7817 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 45.6271, 38.2325, 93.7817 by changing the saturation by 10% instead.

45.6271, 38.2325,
93.7817

45.6271, 38.2325,
93.7817

360.0485,
338.6163, 561.1417

32.1550, 26.1632,
70.5301

82.8919, 72.4644,
154.5615

21.6361, 16.9458,
51.4794

107.4154, 95.3957,
192.9267

13.7048, 10.1958,
36.2109

136.3534,
122.7165, 237.1670

7.9960, 5.5290,
24.3061

170.0713,
154.8112, 287.7007

4.1442, 2.5609,
15.3466

208.9344,
192.0641, 344.9465

1.7840, 0.9070,
8.9137

253.3080,

0.5080, 0.0000,

234.8596, 409.3229

4.5889

303.5576,
283.5822, 481.2485

■ 0.0000, 0.0000,
1.9536

■ 0.0000, 0.0000,
0.5265

■ 45.6271, 38.2325,
93.7817

■ 45.6271, 38.2325,
93.7817

■ 38.0549, 28.9660,
92.3929

■ 54.6497, 49.4973,
95.4812

■ 31.8506, 21.5746,
91.2932

■ 65.1906, 62.8648,
97.5058

■ 26.9294, 15.9279,
90.4626

■ 77.3187, 78.4375,
99.8724

■ 23.1948, 11.8766,
89.8775

■ 91.0971, 96.3099,
102.5959

■ 20.5352, 9.2455,
89.5098

■ 93.9434, 99.5574,
103.0727

■ 18.7999, 7.7860,
89.3196

■ 18.6214, 7.6424,
89.3013

Harmonies

Analogous

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



37.0057, 38.2325, 106.5253



45.6271, 38.2325, 93.7817



52.4954, 38.2325, 66.7982

Triad

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



45.6271, 38.2325, 93.7817



44.3039, 38.2325, 12.7393



22.5445, 38.2325, 43.5560

Complementary

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



45.6271, 38.2325, 93.7817



70.5996, 85.5713, 42.5031

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.



23.8924, 38.2325, 23.7398



45.6271, 38.2325, 93.7817



35.6800, 38.2325, 10.5190

Square

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



45.6271, 38.2325, 93.7817



51.6529, 38.2325, 21.5497



28.4053, 38.2325, 13.6210



24.3971, 38.2325, 71.4069

Rectangle

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



45.6271, 38.2325, 93.7817



54.6832, 38.2325, 48.0387



28.4053, 38.2325, 13.6210



22.6381, 38.2325, 35.8159

Sweetspot

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



45.6285, 38.2340, 93.7826



77.9017, 77.8043, 105.5196



57.4171, 68.5015, 99.0035



16.3074, 16.1819, 22.5139



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.



45.6285, 38.2340, 93.7826



42.5258, 33.2656, 98.7873



57.9306, 44.5759, 94.3583



16.6552, 16.8349, 21.7569



10.1593, 4.1800, 48.2449



1.0292, 0.4326, 4.4724

Inverse Universe

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



63.6680, 47.9052, 77.8429



64.3055, 44.9590, 78.7733



57.8727, 79.0103, 41.9075



17.8129, 17.4525, 20.8703



26.0579, 12.8389, 28.0771



2.4534, 1.2051, 2.8111

Previews

White Background



This preview shows how the XYZ color 45.6271, 38.2325, 93.7817 looks on a white background.

Color Contrast Check

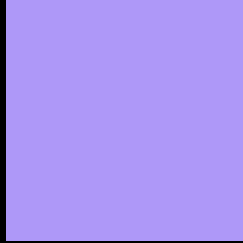
Large Text (above 18pt) WCAG AA × Fail

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 45.6271, 38.2325, 93.7817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

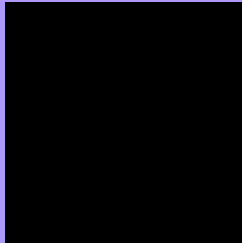
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6271, 38.2325, 93.7817

Background



This preview shows how black text looks on a background with the XYZ color 45.6271, 38.2325, 93.7817.



This preview shows how white text looks on a background with the XYZ color 45.6271, 38.2325,

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

45.6271, 38.2325, 93.7817

Protanopia

40.8201, 38.4009, 99.8684

Deuteranopia

39.4523, 38.4084, 91.7204



Tritanopia

36.3716, 38.0413, 48.6057

Trichromacy



Original Color

45.6271, 38.2325, 93.7817

Protanomaly

42.1816, 38.1204, 97.2302

Deuteranomaly

41.2380, 37.9985, 92.3497

Tritanomaly

39.2814, 37.8968, 63.0021

Monochromacy



Original Color

45.6271, 38.2325, 93.7817

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.0848, 38.9295, 58.8275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6271, 38.2325, 93.7817 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(174, 152, 248)` looks like.

```
.text, #text, p{  
    color:rgb(174, 152, 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(174, 152, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 152, 248) }
```

Border

The CSS property to change the border of an element to XYZ 45.6271, 38.2325, 93.7817 is called "border". The border property can be set on classes, ids or directly on the HTML element.

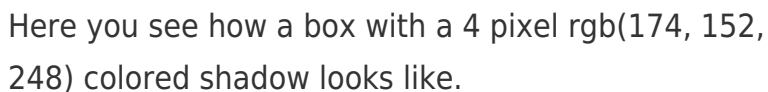
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 152, 248) }
```


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

```
.border{ border-color:rgb(174, 152, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(174, 152, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 152, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 152, 248); box-shadow:4px 4px 4px 4px rgb(174, 152, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6271, 38.2325, 93.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 152, 248) }
```

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

```
.background{ background-color: rgb(174,  
152, 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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