

Converting Colors

XYZ(46.4314, 38.7606, 99.6463)

Have a look what the booklet for
XYZ(46.4314, 38.7606, 99.6463)
contains.

XYZ(46.4545, 38.7731, 99.6433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4545, 38.7731,
99.6433)**

Conversions

Conversions Part 1

Format	Color
Hex	AC99FF
RGB	172, 153, 255
RGB Percent	67%, 60%, 100%
CMY	0.3255, 0.4000, 0.0000
CMYK	0.33, 0.40, 0.00, 0.00
HSL	251°, 100%, 80%
HSV	251°, 40%, 100%
XYZ	46.4545, 38.7731, 99.6433
YIQ	170.3090, -21.4180, 35.7500

Conversions

Conversions Part 2

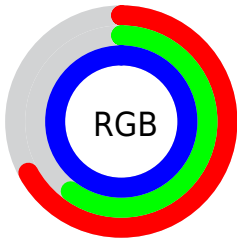
Format	Color
RYB	172, 153, 255
Decimal	11311615
CIELab	68.59, 29.25, -48.34
CIELCh	69, 56.499, 301.184
Yxy	38.7731, 0.2513, 0.2097
Android (android.graphics.Color)	4289501695 (0xFFAC99FF)
YUV	170.3090, 41.7527, 1.4830
Hunter-Lab	62.2680, 24.1992, -51.2901

Details

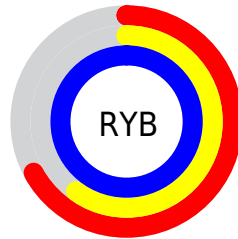
The XYZ color **46.4545, 38.7731, 99.6433** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1018, 91.6527, 43.8180**, and the grayscale version is **38.1696, 40.1574, 43.7314**.

A 20% lighter version of the original color is **72.9960, 68.6686, 104.0148**, and **22.1469, 17.2930, 55.5967** is the 20% darker color. If you saturate the color by 10%, you get **38.5142, 29.1326, 98.2010**, and if you desaturate by 10%, it is **56.0002, 50.5664, 101.4165**.

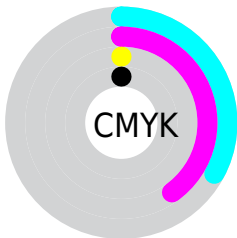
Distribution



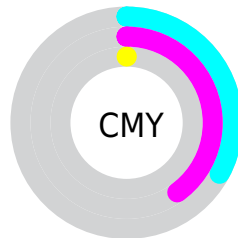
- Red (67%)
- Green (60%)
- Blue (100%)



- Red (67%)
- Yellow (60%)
- Blue (100%)



- Cyan (33%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4545, 38.7731, 99.6433 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 46.4545, 38.7731, 99.6433 by changing the saturation by 10% instead.


 46.4545, 38.7731,
99.6433

 46.4545, 38.7731,
99.6433


363.3183,
340.9248, 580.2854

 32.8108, 26.5833,
75.3875


 84.1225, 73.2916,
162.7145

 22.1401, 17.2605,
55.4267


 108.8775, 96.3890,
202.3669

 14.0770, 10.4204,
39.3426


138.0669,
123.8910, 247.9887

 8.2563, 5.6786,
26.7165

172.0561,
156.1821, 299.9982

 4.3126, 2.6506,
17.1298

211.2105,
193.6467, 358.8141

 1.8804, 0.9522,
10.1642

255.8954,

 0.5654, 0.0000,

236.6690, 424.8549

5.4009

306.4762,
285.6336, 498.5391

■ 0.0000, 0.0000,
2.4215

■ 0.0000, 0.0000,
0.7981

■ 46.4545, 38.7731,
99.6433

■ 46.4545, 38.7731,
99.6433

■ 38.5142, 29.1326,
98.2010

■ 56.0002, 50.5664,
101.4165

■ 32.0852, 21.5091,
97.0683

■ 67.2303, 64.6286,
103.5389

■ 27.0692, 15.7578,
96.2226

■ 80.2234, 81.0726,
106.0281

■ 23.3543, 11.7120,
95.6375

95.0500, 100.0000,
108.9000

■ 20.8102, 9.1751,
95.2819

■ 19.2458, 7.8365,
95.1060

■ 19.2456, 7.8364,
95.1060

Harmonies

Analogous

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



37.2078, 38.7731, 112.7268



46.4545, 38.7731, 99.6433



53.9940, 38.7731, 70.5582

Triad

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



46.4545, 38.7731, 99.6433



45.7427, 38.7731, 12.1684



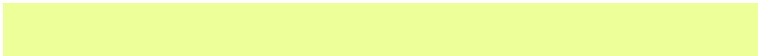
22.2406, 38.7731, 43.2393

Complementary

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



46.4545, 38.7731, 99.6433



76.1018, 91.6527, 43.8180

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.



23.7875, 38.7731, 22.7088



46.4545, 38.7731, 99.6433



36.4998, 38.7731, 9.7091

Square

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



46.4545, 38.7731, 99.6433



53.5387, 38.7731, 21.5670



28.6744, 38.7731, 12.6161



24.0529, 38.7731, 73.0603

Rectangle

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



46.4545, 38.7731, 99.6433



56.5076, 38.7731, 50.1926



28.6744, 38.7731, 12.6161



22.3828, 38.7731, 35.1350

Sweetspot

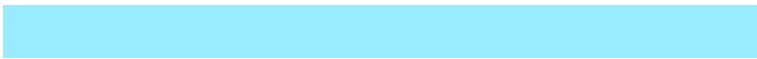
The Sweet Spot groups the original color and five complimentary colors.



46.4558, 38.7745, 99.6435



77.4787, 77.5862, 105.4998



61.2695, 74.1567, 105.6922



16.2086, 16.1309, 22.5092



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.



46.4558, 38.7745, 99.6435



39.9777, 30.8941, 98.4638



59.7811, 45.6439, 100.2671



17.3187, 17.5405, 22.7228



10.1461, 4.1410, 49.6991



1.0682, 0.4446, 4.8428

Inverse Universe

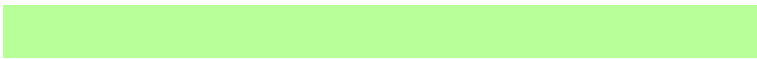
The Inverse Universe completely reimagines the original color for something new.



67.7719, 50.0995, 85.4544



64.1665, 43.7632, 81.5569



61.5905, 84.1719, 43.1389



18.6390, 18.2389, 21.9819



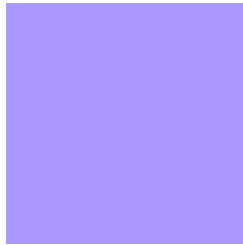
27.5176, 13.4963, 32.4398



2.7151, 1.3284, 3.3473

Previews

White Background



This preview shows how the XYZ color 46.4545, 38.7731, 99.6433 looks on a white background.

Color Contrast Check

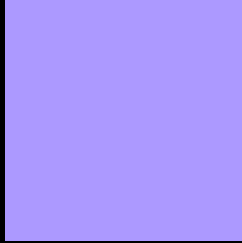
Large Text (above 18pt) WCAG AA × Fail

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 46.4545, 38.7731, 99.6433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

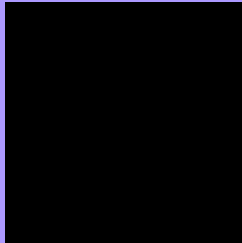
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4545, 38.7731, 99.6433

Background



This preview shows how black text looks on a background with the XYZ color 46.4545, 38.7731, 99.6433.



This preview shows how white text looks on a background with the XYZ color 46.4545, 38.7731,

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

46.4545, 38.7731, 99.6433

Protanopia

41.3171, 38.9218, 99.9428

Deuteranopia

39.9593, 38.8127, 97.4810



Tritanopia

36.5361, 38.9214, 49.8429

Trichromacy



Original Color

46.4545, 38.7731, 99.6433

Protanomaly

42.8335, 38.6575, 99.8118

Deuteranomaly

41.8022, 38.4212, 98.1413

Tritanomaly

39.5061, 38.4792, 65.6666

Monochromacy



Original Color

46.4545, 38.7731, 99.6433

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.6127, 39.4259, 60.7278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4545, 38.7731, 99.6433 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(172, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 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(172, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4545, 38.7731, 99.6433 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(172, 153, 255) }
```


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

```
.border{ border-color:rgb(172, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4545, 38.7731, 99.6433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 255) }
```

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

```
.background{ background-color: rgb(172,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor