

Converting Colors

XYZ(50.9670, 40.6869,
121.8716)

Have a look what the booklet for
XYZ(50.9670, 40.6869, 121.8716)
contains.

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Color

**XYZ(46.6748, 38.8867,
99.6536)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AD99FF |
| RGB | 173, 153, 255 |
| RGB Percent | 68%, 60%, 100% |
| CMY | 0.3216, 0.4000, 0.0000 |
| CMYK | 0.32, 0.40, 0.00, 0.00 |
| HSL | 252°, 100%, 80% |
| HSV | 252°, 40%, 100% |
| XYZ | 46.6748, 38.8867, 99.6536 |
| YIQ | 170.6080, -20.8220, 35.9620 |

Conversions

Conversions Part 2

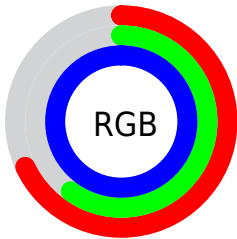
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 173, 153, 255 |
| Decimal | 11377151 |
| CIE _{Lab} | 68.67, 29.52, -48.20 |
| CIE _{LCh} | 69, 56.522, 301.486 |
| Yxy | 38.8867, 0.2520, 0.2100 |
| Android (android.graphics.Color) | 4289567231 (0xFFAD99FF) |
| YUV | 170.6080, 41.6053, 2.0978 |
| Hunter-Lab | 62.3592, 24.4756, -51.0974 |

Details

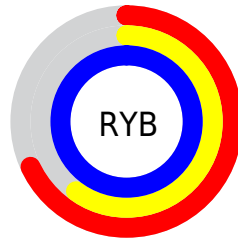
The XYZ color **46.6748, 38.8867, 99.6536** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.7708, 91.4821, 43.8026**, and the grayscale version is **38.3191, 40.3147, 43.9027**.

A 20% lighter version of the original color is **73.5609, 69.3207, 104.1109**, and **22.2805, 17.3619, 55.6029** is the 20% darker color. If you saturate the color by 10%, you get **38.7479, 29.2531, 98.2119**, and if you desaturate by 10%, it is **56.1915, 50.6651, 101.4255**.

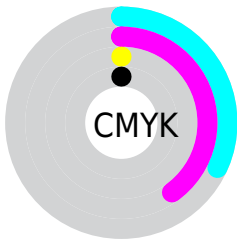
Distribution



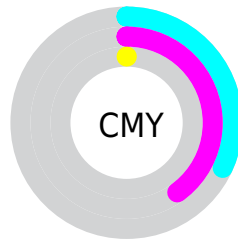
- Red (68%)
- Green (60%)
- Blue (100%)



- Red (68%)
- Yellow (60%)
- Blue (100%)



- Cyan (32%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6748, 38.8867, 99.6536 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 46.6748, 38.8867, 99.6536 by changing the saturation by 10% instead.

46.6748, 38.8867,
99.6536

46.6748, 38.8867,
99.6536

364.1856,
341.4085, 580.3187

32.9855, 26.6716,
75.3960

84.4497, 73.4652,
162.7288

22.2745, 17.3267,
55.4337

109.2660, 96.5974,
202.3835

14.1765, 10.4677,
39.3481

138.5221,
124.1374, 248.0076

8.3260, 5.7102,
26.7207

172.5832,
156.4696, 300.0197

4.3578, 2.6696,
17.1330

211.8148,
193.9785, 358.8383

1.9065, 0.9618,
10.1664

256.5821,

0.5806, 0.0000,

237.0483, 424.8820

5.4024

307.2506,
286.0635, 498.5693

■ 0.0000, 0.0000,
2.4224

■ 0.0000, 0.0000,
0.7986

■ 46.6748, 38.8867,
99.6536

■ 46.6748, 38.8867,
99.6536

■ 38.7479, 29.2531,
98.2119

■ 56.1915, 50.6651,
101.4255

■ 32.3180, 21.6292,
97.0792

■ 67.3760, 64.7038,
103.5457

■ 27.2884, 15.8708,
96.2329

■ 80.3057, 81.1151,
106.0320

■ 23.5488, 11.8123,
95.6466

95.0500, 100.0000,
108.9000

■ 20.9709, 9.2579,
95.2894

■ 19.3657, 7.8983,
95.1116

■ 19.3655, 7.8982,
95.1116

Harmonies

Analogous

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



37.4077, 38.8867, 112.9907



46.6748, 38.8867, 99.6536



54.1970, 38.8867, 70.4261

Triad

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



46.6748, 38.8867, 99.6536



45.7796, 38.8867, 12.1607



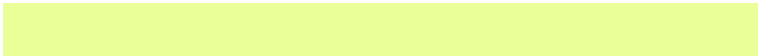
22.3143, 38.8867, 43.6290

Complementary

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



46.6748, 38.8867, 99.6536



75.7708, 91.4821, 43.8026

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.



23.8313, 38.8867, 22.9350



46.6748, 38.8867, 99.6536



36.5172, 38.8867, 9.7504

Square

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



46.6748, 38.8867, 99.6536



53.6243, 38.8867, 21.4985



28.6975, 38.8867, 12.7243



24.1652, 38.8867, 73.5724

Rectangle

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



46.6748, 38.8867, 99.6536



56.6783, 38.8867, 50.0480



28.6975, 38.8867, 12.7243



22.4456, 38.8867, 35.4688

Sweetspot

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



46.6761, 38.8881, 99.6538



77.5751, 77.6359, 105.5043



61.2695, 74.1567, 105.6922



16.2311, 16.1425, 22.5103



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.



46.6761, 38.8881, 99.6538



40.2098, 31.0138, 98.4747



59.7811, 45.6440, 100.2671



17.3355, 17.5492, 22.7236



10.2126, 4.1753, 49.7022



1.0770, 0.4491, 4.8432

Inverse Universe

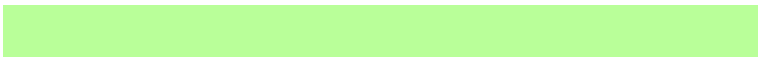
The Inverse Universe completely reimagines the original color for something new.



67.6271, 50.0416, 84.6915



63.9965, 43.6952, 80.6613



61.5906, 84.1719, 43.1390



18.6310, 18.2357, 21.9399



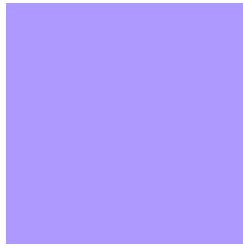
27.3605, 13.4335, 31.6127



2.7012, 1.3228, 3.2738

Previews

White Background



This preview shows how the XYZ color 46.6748, 38.8867, 99.6536 looks on a white background.

Color Contrast Check

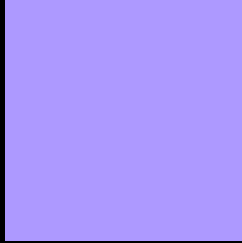
Large Text (above 18pt) WCAG AA × Fail

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 46.6748, 38.8867, 99.6536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

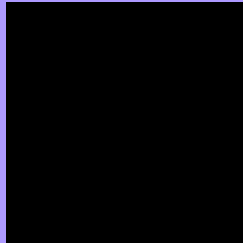
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6748, 38.8867, 99.6536

Background



This preview shows how black text looks on a background with the XYZ color 46.6748, 38.8867, 99.6536.



This preview shows how white text looks on a background with the XYZ color 46.6748, 38.8867,

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

46.6748, 38.8867, 99.6536

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.2915, 39.2549, 97.5488



Tritanopia

36.7320, 39.0224, 49.8521

Trichromacy



Original Color

46.6748, 38.8867, 99.6536

Protanomaly

43.1893, 39.0993, 99.8783

Deuteranomaly

42.1516, 38.8618, 98.2080

Tritanomaly

39.7101, 38.5844, 65.6762

Monochromacy



Original Color

46.6748, 38.8867, 99.6536

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.9494, 39.5858, 61.3597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6748, 38.8867, 99.6536 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6748, 38.8867, 99.6536 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, 153, 255) }
```


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

```
.border{ border-color:rgb(173, 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(173, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6748, 38.8867, 99.6536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 153, 255) }
```

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

```
.background{ background-color: rgb(173,  
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](#).

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