

Converting Colors

XYZ(48.9665, 41.3339,
100.0052)

Have a look what the booklet for
XYZ(48.9665, 41.3339, 100.0052)
contains.

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Color

**XYZ(48.8673, 41.2574,
99.9956)**

Conversions

Conversions Part 1

Format	Color
Hex	B39EFF
RGB	179, 158, 255
RGB Percent	70%, 62%, 100%
CMY	0.2980, 0.3804, 0.0000
CMYK	0.30, 0.38, 0.00, 0.00
HSL	253°, 100%, 81%
HSV	253°, 38%, 100%
XYZ	48.8673, 41.2574, 99.9956
YIQ	175.3370, -18.6210, 34.6190

Conversions

Conversions Part 2

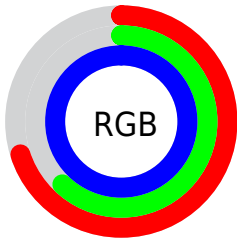
Format	Color
R_{YB}	179, 158, 255
Decimal	11771647
CIE _{Lab}	70.36, 28.33, -45.51
CIE _{LCh}	70, 53.612, 301.902
Yxy	41.2574, 0.2570, 0.2170
Android (android.graphics.Color)	4289961727 (0xFFB39EFF)
YUV	175.3370, 39.2739, 3.2125
Hunter-Lab	64.2319, 23.3960, -47.3397

Details

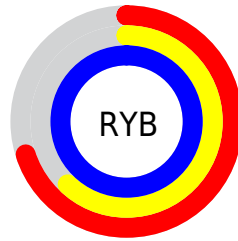
The XYZ color **48.8673, 41.2574, 99.9956** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.8633, 91.4810, 46.0083**, and the grayscale version is **40.7330, 42.8543, 46.6684**.

A 20% lighter version of the original color is **76.7693, 72.8130, 104.6159**, and **23.6593, 18.6704, 55.7828** is the 20% darker color. If you saturate the color by 10%, you get **40.6726, 31.2328, 98.4926**, and if you desaturate by 10%, it is **58.6361, 53.4347, 101.8312**.

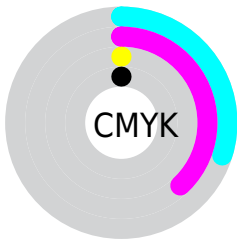
Distribution



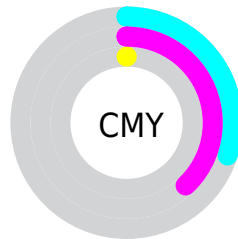
- Red (70%)
- Green (62%)
- Blue (100%)



- Red (70%)
- Yellow (62%)
- Blue (100%)



- Cyan (30%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8673, 41.2574, 99.9956 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 48.8673, 41.2574, 99.9956 by changing the saturation by 10% instead.


 48.8673, 41.2574,
99.9956


 48.8673, 41.2574,
99.9956


372.7453,
351.3953, 581.4251

 34.7283, 28.5203,
75.6800


 87.6962, 77.0745,
163.2030

 23.6192, 18.7182,
55.6651


 113.1169,
100.9232, 202.9318

 15.1746, 11.4668,
39.5323


143.0289,
129.2446, 248.6355

 9.0291, 6.3818,
26.8630

177.7975,
162.4231, 300.7325

 4.8174, 3.0786,
17.2389

217.7881,
200.8430, 359.6414

 2.1742, 1.1729,
10.2412

263.3660,

 0.7291, 0.0394,

244.8887, 425.7808

5.4515

314.8966,
294.9447, 499.5692

■ 0.0000, 0.0000,
2.4512

■ 0.0000, 0.0000,
0.8141

■ 48.8673, 41.2574,
99.9956

■ 48.8673, 41.2574,
99.9956

■ 40.6726, 31.2328,
98.4926

■ 58.6361, 53.4347,
101.8312

■ 33.9631, 23.2289,
97.3013

■ 70.0532, 67.8766,
104.0170

■ 28.6469, 17.1066,
96.3998

■ 83.1929, 84.6929,
106.5704

■ 24.6195, 12.7062,
95.7627

■ 95.0500, 100.0000,
108.9000

■ 21.7606, 9.8411,
95.3604

■ 19.9156, 8.2624,
95.1529

■ 19.6371, 8.0382,
95.1243

Harmonies

Analogous

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



39.7791, 41.2574, 112.9702



48.8673, 41.2574, 99.9956



56.1407, 41.2574, 71.8722

Triad

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



48.8673, 41.2574, 99.9956



47.7478, 41.2574, 14.2725



24.6000, 41.2574, 46.5525

Complementary

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



48.8673, 41.2574, 99.9956



75.8633, 91.4810, 46.0083

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.



26.0855, 41.2574, 25.7242



48.8673, 41.2574, 99.9956



38.6541, 41.2574, 11.7827

Square

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



48.8673, 41.2574, 99.9956



55.4292, 41.2574, 23.8478



30.9237, 41.2574, 15.0357



26.5164, 41.2574, 75.7569

Rectangle

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



48.8673, 41.2574, 99.9956



58.4948, 41.2574, 52.1104



30.9237, 41.2574, 15.0357



24.7171, 41.2574, 38.4276

Sweetspot

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



48.8687, 41.2589, 99.9959



79.1172, 79.4583, 105.7748



62.0317, 74.2506, 105.6701



16.5461, 16.5098, 22.5646



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.



48.8687, 41.2589, 99.9959



42.2195, 33.1077, 98.7730



61.6104, 47.8275, 100.5922



17.3706, 17.5673, 22.7252



10.3623, 4.2524, 49.7092



1.0964, 0.4591, 4.8441

Inverse Universe

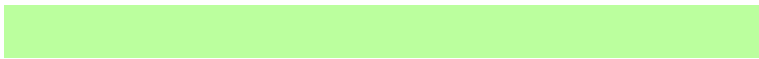
The Inverse Universe completely reimagines the original color for something new.



68.3186, 51.6553, 84.2111



64.5128, 45.0419, 79.8651



62.4503, 84.5664, 45.3806



18.6144, 18.2291, 21.8524



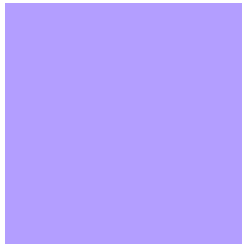
27.0411, 13.3058, 29.9308



2.6727, 1.3115, 3.1240

Previews

White Background



This preview shows how the XYZ color 48.8673, 41.2574, 99.9956 looks on a white background.

Color Contrast Check

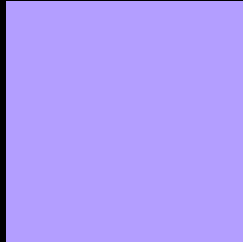
Large Text (above 18pt) WCAG AA × Fail

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 48.8673, 41.2574, 99.9956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

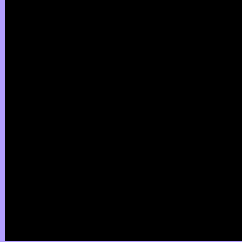
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8673, 41.2574, 99.9956

Background



This preview shows how black text looks on a background with the XYZ color 48.8673, 41.2574, 99.9956.



This preview shows how white text looks on a background with the XYZ color 48.8673, 41.2574,

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

48.8673, 41.2574, 99.9956

Protanopia

43.5657, 41.4356, 100.3094

Deuteranopia

42.6148, 41.5574, 97.8708



Tritanopia

39.1325, 41.0496, 52.3152

Trichromacy



Original Color

48.8673, 41.2574, 99.9956

Protanomaly

45.2154, 41.1982, 100.1767

Deuteranomaly

44.5027, 41.1366, 98.5231

Tritanomaly

42.1542, 40.8866, 67.2982

Monochromacy



Original Color

48.8673, 41.2574, 99.9956

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.9915, 41.9657, 62.9610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8673, 41.2574, 99.9956 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(179, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8673, 41.2574, 99.9956 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(179, 158, 255) }
```


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

```
.border{ border-color:rgb(179, 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(179, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8673, 41.2574, 99.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 158, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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