

Converting Colors

XYZ(53.9890, 43.1669,
128.6586)

Have a look what the booklet for
XYZ(53.9890, 43.1669, 128.6586)
contains.

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Color

**XYZ(48.6370, 41.1387,
99.9849)**

Conversions

Conversions Part 1

Format	Color
Hex	B29EFF
RGB	178, 158, 255
RGB Percent	70%, 62%, 100%
CMY	0.3019, 0.3804, 0.0000
CMYK	0.30, 0.38, 0.00, 0.00
HSL	252°, 100%, 81%
HSV	252°, 38%, 100%
XYZ	48.6370, 41.1387, 99.9849
YIQ	175.0380, -19.2170, 34.4070

Conversions

Conversions Part 2

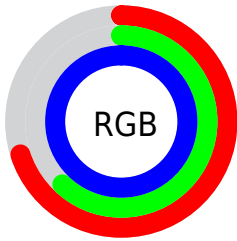
Format	Color
R_{YB}	178, 158, 255
Decimal	11706111
CIE _{Lab}	70.27, 28.06, -45.65
CIE _{LCh}	70, 53.584, 301.578
Yxy	41.1387, 0.2563, 0.2168
Android (android.graphics.Color)	4289896191 (0xFFB29EFF)
YUV	175.0380, 39.4213, 2.5977
Hunter-Lab	64.1395, 23.1126, -47.5276

Details

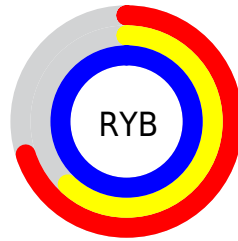
The XYZ color **48.6370, 41.1387, 99.9849** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1926, 91.6508, 46.0238**, and the grayscale version is **40.5781, 42.6913, 46.4908**.

A 20% lighter version of the original color is **76.4363, 72.6414, 104.6003**, and **23.5155, 18.5962, 55.7761** is the 20% darker color. If you saturate the color by 10%, you get **40.4234, 31.1043, 98.4809**, and if you desaturate by 10%, it is **58.4410, 53.3341, 101.8221**.

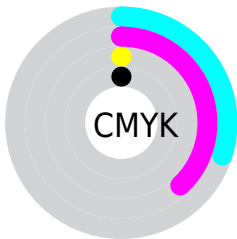
Distribution



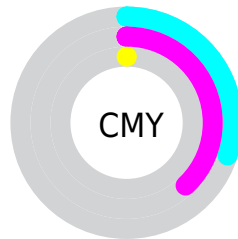
- Red (70%)
- Green (62%)
- Blue (100%)



- 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 48.6370, 41.1387, 99.9849 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 48.6370, 41.1387, 99.9849 by changing the saturation by 10% instead.


 48.6370, 41.1387,
99.9849


 48.6370, 41.1387,
99.9849


371.8522,
350.9000, 581.3905

 34.5450, 28.4275,
75.6711


 87.3561, 76.8944,
163.1881

 23.4774, 18.6481,
55.6578

 112.7138,
100.7077, 202.9146

 15.0691, 11.4163,
39.5265

142.5574,
128.9904, 248.6158

 8.9545, 6.3476,
26.8586

177.2524,
162.1270, 300.7102

 4.7684, 3.0576,
17.2355

217.1640,
200.5019, 359.6163

 2.1454, 1.1619,
10.2388

262.6576,

 0.7137, 0.0302,

244.4994, 425.7527

5.4499

314.0985,
294.5040, 499.5379

■ 0.0000, 0.0000,
2.4503

■ 0.0000, 0.0000,
0.8136

■ 48.6370, 41.1387,
99.9849

■ 48.6370, 41.1387,
99.9849

■ 40.4234, 31.1043,
98.4809

■ 58.4410, 53.3341,
101.8221

■ 33.7100, 23.0985,
97.2895

■ 69.9107, 67.8032,
104.0104

■ 28.4035, 16.9811,
96.3884

■ 83.1216, 84.6562,
106.5671

■ 24.3979, 12.5920,
95.7523

95.0500, 100.0000,
108.9000

■ 21.5711, 9.7434,
95.3515

■ 19.7662, 8.1854,
95.1459

■ 19.4962, 7.9656,
95.1177

Harmonies

Analogous

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



39.5683, 41.1387, 112.6999



48.6370, 41.1387, 99.9849



55.9299, 41.1387, 72.0101

Triad

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



48.6370, 41.1387, 99.9849



47.7106, 41.1387, 14.2832



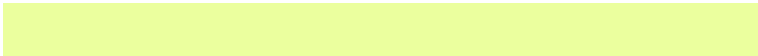
24.5216, 41.1387, 46.1391

Complementary

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



48.6370, 41.1387, 99.9849



76.1926, 91.6508, 46.0238

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.



26.0400, 41.1387, 25.4771



48.6370, 41.1387, 99.9849



38.6376, 41.1387, 11.7367

Square

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



48.6370, 41.1387, 99.9849



55.3412, 41.1387, 23.9250



30.9010, 41.1387, 14.9144



26.3965, 41.1387, 75.2249

Rectangle

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



48.6370, 41.1387, 99.9849



58.3182, 41.1387, 52.2640



30.9010, 41.1387, 14.9144



24.6507, 41.1387, 38.0703

Sweetspot

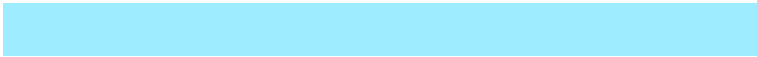
The Sweet Spot groups the original color and five complimentary colors.



48.6383, 41.1402, 99.9851



79.0229, 79.4097, 105.7704



62.0318, 74.2506, 105.6701



16.5238, 16.4983, 22.5635



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.



48.6383, 41.1402, 99.9851



41.9728, 32.9805, 98.7614



61.6104, 47.8275, 100.5922



17.3529, 17.5581, 22.7244



10.2848, 4.2125, 49.7056



1.0864, 0.4540, 4.8436

Inverse Universe

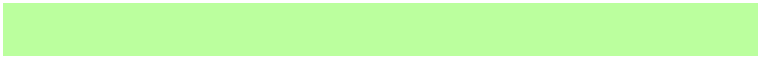
The Inverse Universe completely reimagines the original color for something new.



68.4627, 51.7129, 84.9701



64.6829, 45.1099, 80.7608



62.4504, 84.5664, 45.3807



18.6228, 18.2324, 21.8965



27.2011, 13.3697, 30.7732



2.6870, 1.3172, 3.1991

Previews

White Background



This preview shows how the XYZ color 48.6370, 41.1387, 99.9849 looks on a white background.

Color Contrast Check

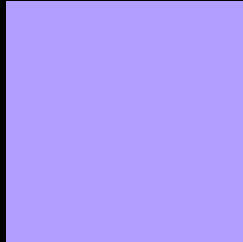
Large Text (above 18pt) WCAG AA × Fail

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 48.6370, 41.1387, 99.9849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

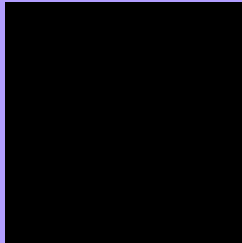
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6370, 41.1387, 99.9849

Background



This preview shows how black text looks on a background with the XYZ color 48.6370, 41.1387, 99.9849.



This preview shows how white text looks on a background with the XYZ color 48.6370, 41.1387,

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

48.6370, 41.1387, 99.9849

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.4501, 41.4725, 97.8631



Tritanopia

38.9253, 40.9427, 52.3055

Trichromacy



Original Color

48.6370, 41.1387, 99.9849

Protanomaly

45.0227, 41.0988, 100.1677

Deuteranomaly

44.3147, 41.0397, 98.5143

Tritanomaly

41.9388, 40.7756, 67.2881

Monochromacy



Original Color

48.6370, 41.1387, 99.9849

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 48.6370, 41.1387, 99.9849 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(178, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6370, 41.1387, 99.9849 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(178, 158, 255) }
```


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

```
.border{ border-color:rgb(178, 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(178, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6370, 41.1387, 99.9849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 158, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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