

Converting Colors

XYZ(58.6214, 46.6731,
147.8517)

Have a look what the booklet for
XYZ(58.6214, 46.6731, 147.8517)
contains.

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Color

**XYZ(49.6856, 43.2359,
100.3344)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A4FF
RGB	178, 164, 255
RGB Percent	70%, 64%, 100%
CMY	0.3019, 0.3568, 0.0000
CMYK	0.30, 0.36, 0.00, 0.00
HSL	249°, 100%, 82%
HSV	249°, 36%, 100%
XYZ	49.6856, 43.2359, 100.3344
YIQ	178.5600, -20.8670, 31.2690

Conversions

Conversions Part 2

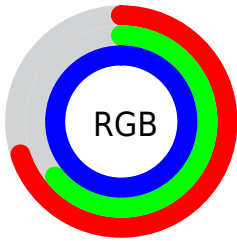
Format	Color
R _Y B	178, 164, 255
Decimal	11707647
CIE Lab	71.71, 24.70, -43.39
CIE LCh	72, 49.927, 299.649
Yxy	43.2359, 0.2571, 0.2237
Android (android.graphics.Color)	4289897727 (0xFFB2A4FF)
YUV	178.5600, 37.6849, -0.4911
Hunter-Lab	65.7540, 19.8102, -44.4431

Details

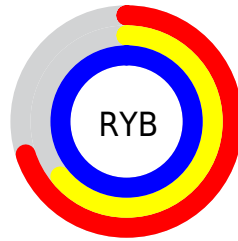
The XYZ color **49.6856, 43.2359, 100.3344** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.7366, 92.9011, 48.9054**, and the grayscale version is **42.4291, 44.6388, 48.6116**.

A 20% lighter version of the original color is **77.6425, 75.5452, 105.0972**, and **24.1556, 19.8765, 55.9895** is the 20% darker color. If you saturate the color by 10%, you get **41.0040, 32.6523, 98.7491**, and if you desaturate by 10%, it is **60.0635, 56.0537, 102.2615**.

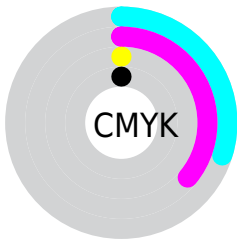
Distribution



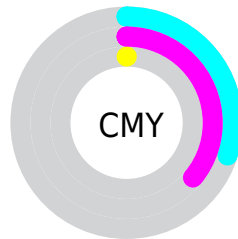
- Red (70%)
- Green (64%)
- Blue (100%)



- Red (70%)
- Yellow (64%)
- Blue (100%)



- Cyan (30%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6856, 43.2359, 100.3344 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 49.6856, 43.2359, 100.3344 by changing the saturation by 10% instead.

■ 49.6856, 43.2359,
100.3344

■ 49.6856, 43.2359,
100.3344

375.9075,
359.5810, 582.5201

■ 35.3804, 30.0703,
75.9614

■ 88.9035, 80.0667,
163.6725

■ 24.1240, 19.8919,
55.8944

■ 114.5469,
104.5007, 203.4747

■ 15.5508, 12.3165,
39.7148

144.7005,
133.4595, 249.2571

■ 9.2957, 6.9596,
27.0042

179.7295,
167.3277, 301.4382

■ 4.9932, 3.4369,
17.3439

219.9993,
206.4895, 360.4364

■ 2.2780, 1.3638,
10.3154

265.8754,

■ 0.7834, 0.1898,

251.3294, 426.6705

5.5003

317.7230,
302.2318, 500.5589

■ 0.0000, 0.0000,
2.4798

■ 0.0000, 0.0000,
0.8294

■ 49.6856, 43.2359,
100.3344

■ 49.6856, 43.2359,
100.3344

■ 41.0040, 32.6523,
98.7491

■ 60.0635, 56.0537,
102.2615

■ 33.9231, 24.1695,
97.4850

■ 72.2179, 71.2194,
104.5482

■ 28.3444, 17.6471,
96.5201

■ 86.2288, 88.8442,
107.2117

■ 24.1562, 12.9253,
95.8294

95.0500, 100.0000,
108.9000

■ 21.2307, 9.8190,
95.3840

■ 19.4144, 8.1011,
95.1482

■ 18.8956, 7.6559,
95.0896

Harmonies

Analogous

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



40.9949, 43.2359, 110.7864



49.6856, 43.2359, 100.3344



56.8051, 43.2359, 74.7842

Triad

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



49.6856, 43.2359, 100.3344



49.8817, 43.2359, 17.2156



26.8698, 43.2359, 46.7918

Complementary

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



49.6856, 43.2359, 100.3344



78.7366, 92.9011, 48.9054

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.



28.5857, 43.2359, 27.2289



49.6856, 43.2359, 100.3344



41.1941, 43.2359, 14.1507

Square

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



49.6856, 43.2359, 100.3344



56.9288, 43.2359, 27.5734



33.5555, 43.2359, 17.0701



28.5075, 43.2359, 74.1134

Rectangle

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



49.6856, 43.2359, 100.3344



59.2801, 43.2359, 55.9605



33.5555, 43.2359, 17.0701



27.0696, 43.2359, 39.1864

Sweetspot

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



49.6870, 43.2375, 100.3346



78.5462, 79.1640, 105.7481



64.9197, 78.2312, 106.2862



16.4111, 16.4402, 22.5583



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.



49.6870, 43.2375, 100.3346



43.1741, 35.2824, 99.1424



61.8041, 49.4841, 100.9017



17.2631, 17.5119, 22.7202



9.9503, 4.0401, 49.6900



1.0411, 0.4306, 4.8415

Inverse Universe

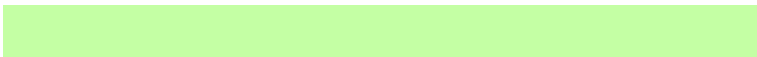
The Inverse Universe completely reimagines the original color for something new.



70.3932, 54.1629, 89.9631



66.8706, 47.7986, 86.6904



65.1876, 85.9164, 48.2713



18.6655, 18.2495, 22.1216



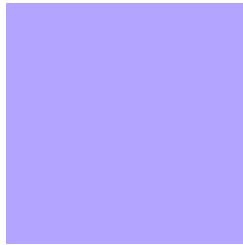
28.0548, 13.7112, 35.2687



2.7626, 1.3474, 3.5973

Previews

White Background



This preview shows how the XYZ color 49.6856, 43.2359, 100.3344 looks on a white background.

Color Contrast Check

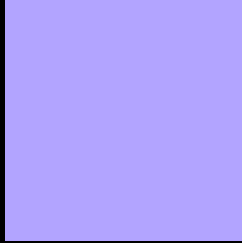
Large Text (above 18pt) WCAG AA × Fail

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 49.6856, 43.2359, 100.3344 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 49.6856, 43.2359, 100.3344

Background



This preview shows how black text looks on a background with the XYZ color 49.6856, 43.2359, 100.3344.



This preview shows how white text looks on a background with the XYZ color 49.6856, 43.2359,

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

49.6856, 43.2359, 100.3344

Protanopia

45.2063, 43.4030, 100.6027

Deuteranopia

44.5427, 43.3837, 98.9547



Tritanopia

40.6432, 43.2052, 55.4875

Trichromacy



Original Color

49.6856, 43.2359, 100.3344

Protanomaly

46.7228, 43.3404, 100.5107

Deuteranomaly

46.1687, 43.0733, 99.6466

Tritanomaly

43.4677, 42.9061, 69.6090

Monochromacy



Original Color

49.6856, 43.2359, 100.3344

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.9889, 44.3608, 65.2228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6856, 43.2359, 100.3344 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, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 164, 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, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6856, 43.2359, 100.3344 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, 164, 255) }
```


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

```
.border{ border-color:rgb(178, 164, 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, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6856, 43.2359, 100.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 164, 255) }
```

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

```
.background{ background-color: rgb(178,  
164, 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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