

Converting Colors

XYZ(47.7597, 43.2992, 98.6188)

Have a look what the booklet for
XYZ(47.7597, 43.2992, 98.6188)
contains.

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Color

**XYZ(47.8807, 43.4219,
98.7862)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A8FD
RGB	168, 168, 253
RGB Percent	66%, 66%, 99%
CMY	0.3412, 0.3412, 0.0078
CMYK	0.34, 0.34, 0.00, 0.01
HSL	240°, 96%, 83%
HSV	240°, 34%, 99%
XYZ	47.8807, 43.4219, 98.7862
YIQ	177.6900, -27.2850, 26.4350

Conversions

Conversions Part 2

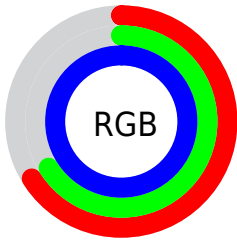
Format	Color
RYB	168, 168, 253
Decimal	11053309
CIELab	71.84, 19.22, -42.17
CIELCh	72, 46.341, 294.503
Yxy	43.4219, 0.2519, 0.2284
Android (android.graphics.Color)	4289243389 (0xFFA8A8FD)
YUV	177.6900, 37.1278, -8.4981
Hunter-Lab	65.8953, 14.3845, -42.7572

Details

The XYZ color **47.8807, 43.4219, 98.7862** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.7018, 93.9611, 50.8247**, and the grayscale version is **41.9750, 44.1610, 48.0913**.

A 20% lighter version of the original color is **75.4890, 76.0029, 105.2991**, and **23.0192, 19.9870, 54.8692** is the 20% darker color. If you saturate the color by 10%, you get **38.7842, 32.4610, 97.1508**, and if you desaturate by 10%, it is **58.9367, 56.7434, 100.7756**.

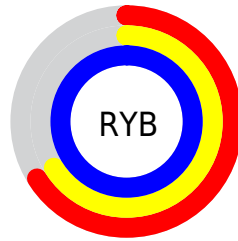
Distribution



Red (66%)

Green (66%)

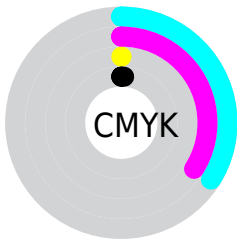
Blue (99%)



Red (66%)

Yellow (66%)

Blue (99%)

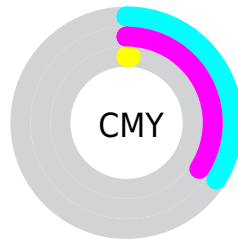


Cyan (34%)

Magenta (34%)

Yellow (0%)

Black (1%)



Cyan (34%)

Magenta (34%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8807, 43.4219, 98.7862 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 47.8807, 43.4219, 98.7862 by changing the saturation by 10% instead.

47.8807, 43.4219,
98.7862

47.8807, 43.4219,
98.7862

368.9095,
360.3440, 577.5075

33.9433, 30.2163,
74.6760

86.2375, 80.3471,
161.5254

23.0127, 20.0028,
54.8474

111.3876,
104.8355, 200.9916

14.7236, 12.3971,
38.8818

141.0060,
133.8537, 246.4134

8.7107, 7.0147,
26.3606

175.4580,
167.7859, 298.2095

4.6086, 3.4713,
16.8654

215.1090,
207.0167, 356.7985

2.0519, 1.3825,
9.9777

260.3244,

0.6628, 0.2037,

251.9303, 422.5987

5.2787

311.4694,
302.9113, 496.0289

■ 0.0000, 0.0000,
2.3501

■ 0.0000, 0.0000,
0.7591

■ 47.8807, 43.4219,
98.7862

■ 47.8807, 43.4219,
98.7862

■ 38.7842, 32.4610,
97.1508

■ 58.9367, 56.7434,
100.7756

■ 31.5287, 23.7185,
95.8457

■ 72.0522, 72.5468,
103.1347

■ 25.9899, 17.0447,
94.8494

■ 87.3261, 90.9509,
105.8820

■ 22.0266, 12.2692,
94.1366

94.7298, 99.8719,
107.2137

■ 19.4749, 9.1946,
93.6776

■ 18.1353, 7.5805,
93.4367

■ 17.7298, 7.0919,
93.3637

Harmonies

Analogous

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



39.8366, 43.4219, 104.9731



47.8807, 43.4219, 98.7862



54.8791, 43.4219, 77.2221

Triad

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



47.8807, 43.4219, 98.7862



50.7107, 43.4219, 20.0164



27.9500, 43.4219, 43.2425

Complementary

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



47.8807, 43.4219, 98.7862



82.7018, 93.9611, 50.8247

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.



30.1222, 43.4219, 26.2908



47.8807, 43.4219, 98.7862



42.7399, 43.4219, 15.9007

Square

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



47.8807, 43.4219, 98.7862



56.6531, 43.4219, 31.4668



35.2998, 43.4219, 17.7628



28.9607, 43.4219, 67.6599

Rectangle

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



47.8807, 43.4219, 98.7862



57.6644, 43.4219, 59.8487



35.2998, 43.4219, 17.7628



28.3228, 43.4219, 36.6055

Sweetspot

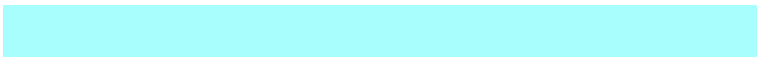
The Sweet Spot groups the original color and five complimentary colors.



47.8822, 43.4236, 98.7872



78.6808, 80.2762, 105.9557



69.0045, 85.6682, 105.8280



16.3873, 16.6358, 22.5973



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.



47.8822, 43.4236, 98.7872



42.5783, 36.7749, 99.4619



58.4545, 48.8737, 99.2820



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

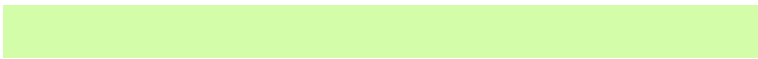
The Inverse Universe completely reimagines the original color for something new.



72.2412, 55.9811, 99.9265



70.6811, 51.2624, 100.7762



68.9153, 86.8539, 50.1795



18.7928, 18.3004, 22.7918



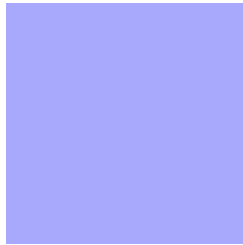
30.9801, 14.8813, 50.6730



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 47.8807, 43.4219, 98.7862 looks on a white background.

Color Contrast Check

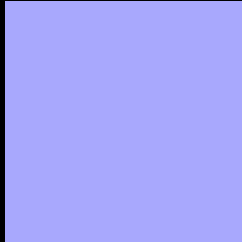
Large Text (above 18pt) WCAG AA × Fail

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 47.8807, 43.4219, 98.7862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

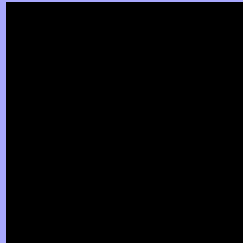
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8807, 43.4219, 98.7862

Background



This preview shows how black text looks on a background with the XYZ color 47.8807, 43.4219, 98.7862.



This preview shows how white text looks on a background with the XYZ color 47.8807, 43.4219,

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

47.8807, 43.4219, 98.7862

Protanopia

45.3880, 43.4967, 100.6112

Deuteranopia

44.7394, 43.5034, 98.1344



Tritanopia

39.5764, 43.5061, 57.3506

Trichromacy



Original Color

47.8807, 43.4219, 98.7862

Protanomaly

46.1626, 43.3495, 99.7002

Deuteranomaly

45.8408, 43.5019, 98.0761

Tritanomaly

42.2883, 43.4305, 70.4441

Monochromacy



Original Color

47.8807, 43.4219, 98.7862

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.6111, 43.6786, 63.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8807, 43.4219, 98.7862 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(168, 168, 253)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 253)  
}
```

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(168, 168, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 253) }
```

Border

The CSS property to change the border of an element to XYZ 47.8807, 43.4219, 98.7862 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(168, 168, 253) }
```


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

```
.border{ border-color:rgb(168, 168, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 168, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 253);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8807, 43.4219, 98.7862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 168, 253) }
```

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

```
.background{ background-color: rgb(168,  
168, 253) }
```

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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