

Converting Colors

XYZ(47.3235, 44.7988, 99.9187)

Have a look what the booklet for
XYZ(47.3235, 44.7988, 99.9187)
contains.

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Color

**XYZ(47.3235, 44.7988,
99.9187)**

Conversions

Conversions Part 1

Format	Color
Hex	9FAEFE
RGB	159, 174, 254
RGB Percent	62%, 68%, 100%
CMY	0.3765, 0.3176, 0.0039
CMYK	0.37, 0.31, 0.00, 0.00
HSL	231°, 98%, 81%
HSV	231°, 37%, 100%
XYZ	47.3235, 44.7988, 99.9187
YIQ	178.6350, -34.6200, 21.7000

Conversions

Conversions Part 2

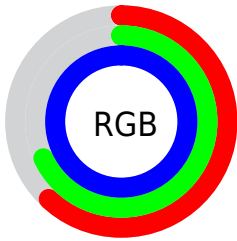
Format	Color
RYB	159, 172, 254
Decimal	10465022
CIELab	72.76, 13.71, -41.32
CIELCh	73, 43.535, 288.356
Yxy	44.7988, 0.2464, 0.2333
Android (android.graphics.Color)	4288655102 (0xFF9FAEFE)
YUV	178.6350, 37.1549, -17.2199
Hunter-Lab	66.9319, 9.0757, -41.6582

Details

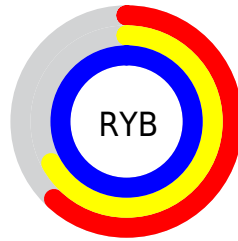
The XYZ color **47.3235, 44.7988, 99.9187** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.9988, 85.3084, 45.1579**, and the grayscale version is **42.4769, 44.6890, 48.6663**.

A 20% lighter version of the original color is **74.3882, 77.8576, 105.7151**, and **22.7465, 20.8933, 55.6573** is the 20% darker color. If you saturate the color by 10%, you get **38.9861, 34.8478, 98.4382**, and if you desaturate by 10%, it is **57.3569, 56.6026, 101.6691**.

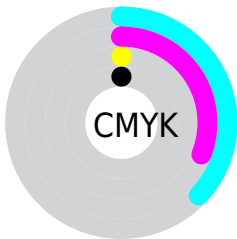
Distribution



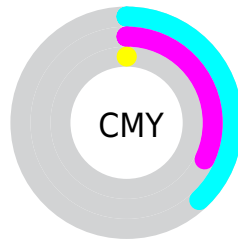
- Red (62%)
- Green (68%)
- Blue (100%)



- Red (62%)
- Yellow (67%)
- Blue (100%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3235, 44.7988, 99.9187 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 47.3235, 44.7988, 99.9187 by changing the saturation by 10% instead.

■ 47.3235, 44.7988,
99.9187

■ 47.3235, 44.7988,
99.9187

366.7317,
365.9581, 581.1764

■ 33.5005, 31.2990,
75.6161

■ 85.4121, 82.4184,
163.0964

■ 22.6712, 20.8266,
55.6130

■ 110.4084,
107.3070, 202.8085

■ 14.4703, 12.9973,
39.4908

139.8599,
136.7606, 248.4943

■ 8.5323, 7.4267,
26.8310

174.1318,
171.1636, 300.5723

■ 4.4921, 3.7304,
17.2150

213.5896,
210.9005, 359.4609

■ 1.9841, 1.5239,
10.2244

258.5986,

■ 0.6250, 0.3055,

256.3556, 425.5788

5.4404

309.5242,
307.9133, 499.3445

■ 0.0000, 0.0000,
2.4447

■ 0.0000, 0.0000,
0.8106

■ 47.3235, 44.7988,
99.9187

■ 47.3235, 44.7988,
99.9187

■ 38.9861, 34.8478,
98.4382

■ 57.3569, 56.6026,
101.6691

■ 32.2451, 26.6496,
97.2111

■ 69.1690, 70.3424,
103.6985

■ 26.9976, 20.1020,
96.2239

■ 82.8427, 86.1021,
106.0198

■ 23.1263, 15.0902,
95.4605

94.8895, 99.9358,
108.0550

■ 20.4957, 11.4838,
94.9031

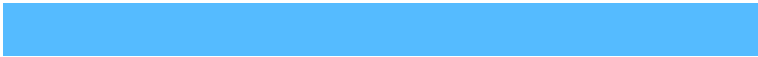
■ 18.9362, 9.1264,
94.5302

■ 18.6519, 8.6804,
94.4591

Harmonies

Analogous

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



39.7129, 44.7988, 101.9670



47.3235, 44.7988, 99.9187



54.3923, 44.7988, 82.0005

Triad

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



47.3235, 44.7988, 99.9187



52.9879, 44.7988, 23.8138



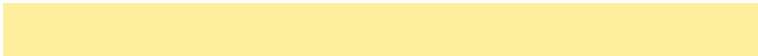
29.8709, 44.7988, 40.8491

Complementary

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



47.3235, 44.7988, 99.9187



77.9988, 85.3084, 45.1579

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.



32.6150, 44.7988, 26.0150



47.3235, 44.7988, 99.9187



45.5817, 44.7988, 18.3106

Square

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



47.3235, 44.7988, 99.9187



57.9200, 44.7988, 36.8078



38.1644, 44.7988, 18.9749



30.2200, 44.7988, 63.0977

Rectangle

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



47.3235, 44.7988, 99.9187



57.5704, 44.7988, 65.8007



38.1644, 44.7988, 18.9749



30.4476, 44.7988, 34.9782

Sweetspot

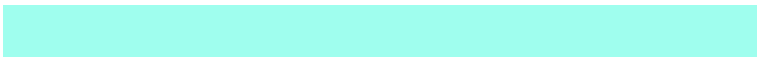
The Sweet Spot groups the original color and five complimentary colors.



47.3251, 44.8005, 99.9198



78.3948, 80.9069, 106.0925



65.1983, 84.4385, 93.8804



16.3753, 16.8516, 22.6396



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.



47.3251, 44.8005, 99.9198



41.1971, 37.3966, 99.6547



51.6912, 42.9871, 99.3396



17.2346, 17.8407, 22.7852



9.9008, 4.7111, 49.8221



1.0276, 0.5858, 4.8722

Inverse Universe

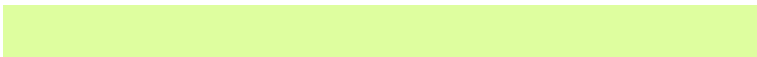
The Inverse Universe completely reimagines the original color for something new.



60.9125, 48.9248, 46.2790



56.8579, 42.5706, 37.7343



71.9275, 88.9701, 46.1847



18.1263, 18.0338, 19.2822



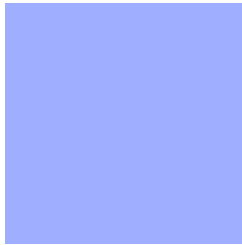
21.7857, 11.2036, 2.2558



2.1533, 1.1037, 0.3886

Previews

White Background



This preview shows how the XYZ color 47.3235, 44.7988, 99.9187 looks on a white background.

Color Contrast Check

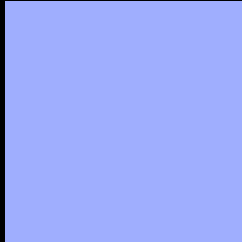
Large Text (above 18pt) WCAG AA × Fail

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 47.3235, 44.7988, 99.9187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

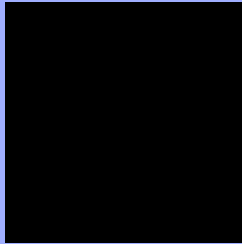
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3235, 44.7988, 99.9187

Background



This preview shows how black text looks on a background with the XYZ color 47.3235, 44.7988, 99.9187.



This preview shows how white text looks on a background with the XYZ color 47.3235, 44.7988,

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

47.3235, 44.7988, 99.9187

Protanopia

46.7122, 45.0430, 100.8399

Deuteranopia

45.8326, 44.6265, 99.1267



Tritanopia

39.5118, 44.9324, 60.6232

Trichromacy



Original Color

47.3235, 44.7988, 99.9187

Protanomaly

46.8975, 44.8485, 100.7926

Deuteranomaly

46.1965, 44.5241, 99.0877

Tritanomaly

42.0726, 44.7415, 73.4364

Monochromacy



Original Color

47.3235, 44.7988, 99.9187

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.8760, 44.6712, 64.7024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3235, 44.7988, 99.9187 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(159, 174, 254)` looks like.

```
.text, #text, p{  
    color:rgb(159, 174, 254)  
}
```

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(159, 174, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 174, 254) }
```

Border

The CSS property to change the border of an element to XYZ 47.3235, 44.7988, 99.9187 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(159, 174, 254) }
```


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

```
.border{ border-color:rgb(159, 174, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 174, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 174, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 174, 254);  
box-shadow:4px 4px 4px 4px rgb(159, 174,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3235, 44.7988, 99.9187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 174, 254) }
```

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

```
.background{ background-color: rgb(159,  
174, 254) }
```

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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