

Converting Colors

XYZ(47.5697, 43.3719, 96.6699)

Have a look what the booklet for
XYZ(47.5697, 43.3719, 96.6699)
contains.

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Color

**XYZ(47.4064, 43.2322,
96.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A8FA
RGB	168, 168, 250
RGB Percent	66%, 66%, 98%
CMY	0.3412, 0.3412, 0.0196
CMYK	0.33, 0.33, 0.00, 0.02
HSL	240°, 89%, 82%
HSV	240°, 33%, 98%
XYZ	47.4064, 43.2322, 96.2885
YIQ	177.3480, -26.3220, 25.5020

Conversions

Conversions Part 2

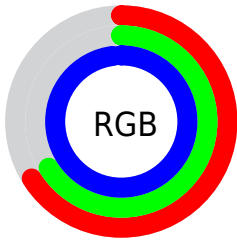
Format	Color
R _Y B	168, 168, 250
Decimal	11053306
CIE Lab	71.71, 18.45, -40.74
CIE LCh	72, 44.727, 294.368
Yxy	43.2322, 0.2536, 0.2313
Android (android.graphics.Color)	4289243386 (0xFFA8A8FA)
YUV	177.3480, 35.8174, -8.1982
Hunter-Lab	65.7512, 13.6333, -40.8006

Details

The XYZ color **47.4064, 43.2322, 96.2885** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.6785, 91.5231, 50.4608**, and the grayscale version is **41.8015, 43.9785, 47.8926**.

A 20% lighter version of the original color is **75.4890, 76.0029, 105.2991**, and **22.6811, 19.8517, 53.0884** is the 20% darker color. If you saturate the color by 10%, you get **38.4067, 32.3880, 94.6705**, and if you desaturate by 10%, it is **58.3194, 56.3815, 98.2522**.

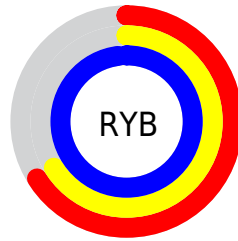
Distribution



Red (66%)

Green (66%)

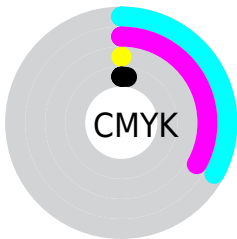
Blue (98%)



Red (66%)

Yellow (66%)

Blue (98%)

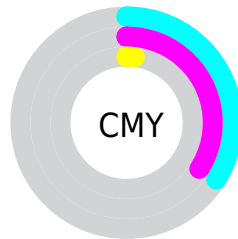


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (34%)

Magenta (34%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4064, 43.2322, 96.2885 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 47.4064, 43.2322, 96.2885 by changing the saturation by 10% instead.

■ 47.4064, 43.2322,
96.2885

■ 47.4064, 43.2322,
96.2885

367.0563,
359.5658, 569.3712

■ 33.5663, 30.0673,
72.6051

■ 85.5350, 80.0611,
158.0544

■ 22.7220, 19.8897,
53.1632

■ 110.5542,
104.4940, 196.9739

■ 14.5079, 12.3149,
37.5445

140.0306,
133.4517, 241.8092

■ 8.5588, 6.9585,
25.3303

174.3294,
167.3186, 292.9788

■ 4.5093, 3.4362,
16.1020

213.8160,
206.4790, 350.9013

■ 1.9941, 1.3635,
9.4412

258.8558,

■ 0.6307, 0.1896,

251.3174, 415.9951

4.9294

309.8141,
302.2182, 488.6789

■ 0.0000, 0.0000,
2.1479

■ 0.0000, 0.0000,
0.6440

■ 47.4064, 43.2322,
96.2885

■ 47.4064, 43.2322,
96.2885

■ 38.4067, 32.3880,
94.6705

■ 58.3194, 56.3815,
98.2522

■ 31.2060, 23.7116,
93.3753

■ 71.2422, 71.9527,
100.5766

■ 25.6847, 17.0588,
92.3822

■ 86.2704, 90.0607,
103.2797

■ 21.7069, 12.2659,
91.6667

■ 94.2555, 99.6822,
104.7160

■ 19.1159, 9.1438,
91.2006

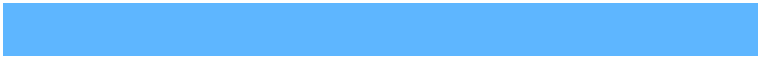
■ 17.7213, 7.4635,
90.9498

■ 17.2555, 6.9022,
90.8660

Harmonies

Analogous

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



39.6761, 43.2322, 102.0711



47.4064, 43.2322, 96.2885



54.1203, 43.2322, 75.8382

Triad

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



47.4064, 43.2322, 96.2885



50.1861, 43.2322, 20.6324



28.2194, 43.2322, 43.0912

Complementary

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



47.4064, 43.2322, 96.2885



80.6785, 91.5231, 50.4608

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.



30.3410, 43.2322, 26.6920



47.4064, 43.2322, 96.2885



42.5389, 43.2322, 16.5414

Square

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



47.4064, 43.2322, 96.2885



55.8583, 43.2322, 31.8575



35.3628, 43.2322, 18.3564



29.1867, 43.2322, 66.4931

Rectangle

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



47.4064, 43.2322, 96.2885



56.7958, 43.2322, 59.2478



35.3628, 43.2322, 18.3564



28.5860, 43.2322, 36.6911

Sweetspot

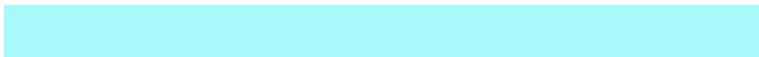
The Sweet Spot groups the original color and five complimentary colors.



47.4079, 43.2339, 96.2895



78.6808, 80.2761, 105.9557



67.5905, 83.5991, 103.0171



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.



47.4079, 43.2339, 96.2895



43.4866, 37.8694, 99.6253



57.5537, 48.4642, 96.7643



16.2831, 16.6431, 21.7395



9.1528, 3.6611, 48.1978



0.8477, 0.3391, 4.4639

Inverse Universe

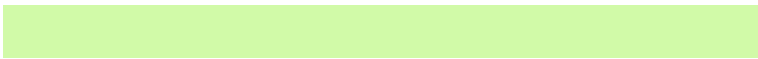
The Inverse Universe completely reimagines the original color for something new.



70.6832, 55.2327, 97.3783



71.1030, 52.1061, 100.9171



67.5491, 84.7546, 49.8464



17.9931, 17.5246, 21.8195



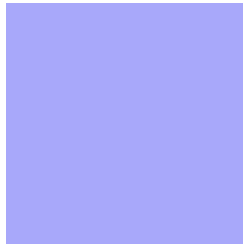
30.0645, 14.4415, 49.1757



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 47.4064, 43.2322, 96.2885 looks on a white background.

Color Contrast Check

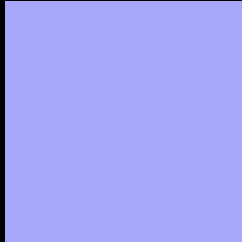
Large Text (above 18pt) WCAG AA × Fail

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 47.4064, 43.2322, 96.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

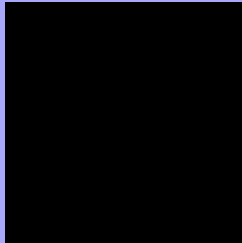
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4064, 43.2322, 96.2885

Background



This preview shows how black text looks on a background with the XYZ color 47.4064, 43.2322, 96.2885.



This preview shows how white text looks on a background with the XYZ color 47.4064, 43.2322,

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

47.4064, 43.2322, 96.2885

Protanopia

45.2274, 43.4325, 99.7655

Deuteranopia

44.6294, 43.5012, 95.6669



Tritanopia

39.4560, 43.1584, 56.7029

Trichromacy



Original Color

47.4064, 43.2322, 96.2885

Protanomaly

46.0028, 43.2856, 98.8588

Deuteranomaly

45.5617, 43.4125, 95.6006

Tritanomaly

41.9648, 42.9886, 69.7042

Monochromacy



Original Color

47.4064, 43.2322, 96.2885

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.4907, 43.6304, 63.2560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4064, 43.2322, 96.2885 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 250) }
```

Border

The CSS property to change the border of an element to XYZ 47.4064, 43.2322, 96.2885 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, 250) }
```


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

```
.border{ border-color:rgb(168, 168, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 250);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4064, 43.2322, 96.2885 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, 250) }
```

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

```
.background{ background-color: rgb(168,  
168, 250) }
```

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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