

Converting Colors

XYZ(58.2332, 47.0499,
156.2672)

Have a look what the booklet for
XYZ(58.2332, 47.0499, 156.2672)
contains.

XYZ(47.6226, 42.7079, 100.3412)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.6226, 42.7079,
100.3412)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A6FF
RGB	167, 166, 255
RGB Percent	65%, 65%, 100%
CMY	0.3451, 0.3490, 0.0000
CMYK	0.35, 0.35, 0.00, 0.00
HSL	241°, 100%, 83%
HSV	241°, 35%, 100%
XYZ	47.6226, 42.7079, 100.3412
YIQ	176.4450, -27.9730, 27.8910

Conversions

Conversions Part 2

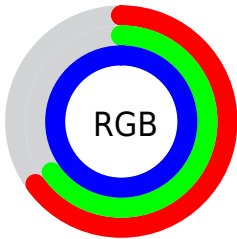
Format	Color
RYB	167, 166, 255
Decimal	10987263
CIELab	71.36, 20.59, -44.01
CIELCh	71, 48.591, 295.071
Yxy	42.7079, 0.2498, 0.2240
Android (android.graphics.Color)	4289177343 (0xFFA7A6FF)
YUV	176.4450, 38.7276, -8.2833
Hunter-Lab	65.3513, 15.7113, -45.2887

Details

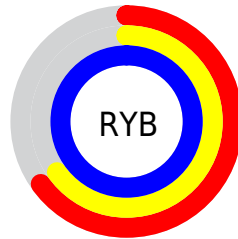
The XYZ color **47.6226, 42.7079, 100.3412** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.5158, 95.3439, 50.0793**, and the grayscale version is **41.3148, 43.4664, 47.3349**.

A 20% lighter version of the original color is **74.6469, 74.7802, 105.1074**, and **22.8924, 19.5566, 55.9943** is the 20% darker color. If you saturate the color by 10%, you get **38.6213, 31.8558, 98.7210**, and if you desaturate by 10%, it is **58.5840, 55.9362, 102.3168**.

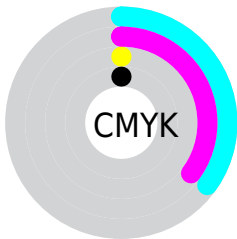
Distribution



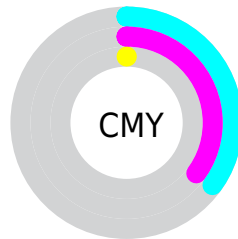
- Red (65%)
- Green (65%)
- Blue (100%)



- Red (65%)
- Yellow (65%)
- Blue (100%)



- Cyan (35%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6226, 42.7079, 100.3412 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 47.6226, 42.7079, 100.3412 by changing the saturation by 10% instead.

■ 47.6226, 42.7079,
100.3412

■ 47.6226, 42.7079,
100.3412

367.9018,
357.4091, 582.5421

■ 33.7381, 29.6560,
75.9670

■ 85.8553, 79.2699,
163.6820

■ 22.8544, 19.5776,
55.8990

■ 110.9343,
103.5488, 203.4856

■ 14.6062, 12.0884,
39.7185

140.4755,
132.3387, 249.2696

■ 8.6280, 6.8039,
27.0070

174.8442,
166.0242, 301.4523

■ 4.5545, 3.3398,
17.3460

214.4058,
204.9896, 360.4524

■ 2.0204, 1.3116,
10.3169

259.5257,

■ 0.6454, 0.1501,

249.6193, 426.6883

5.5013

310.5693,
300.2977, 500.5787

■ 0.0000, 0.0000,
2.4804

■ 0.0000, 0.0000,
0.8298

■ 47.6226, 42.7079,
100.3412

■ 47.6226, 42.7079,
100.3412

■ 38.6213, 31.8558,
98.7210

■ 58.5840, 55.9362,
102.3168

■ 31.4606, 23.2349,
97.4344

■ 71.6070, 71.6650,
104.6664

■ 26.0148, 16.6915,
96.4584

■ 86.7913, 90.0154,
107.4081

■ 22.1406, 12.0507,
95.7668

■ 95.0500, 100.0000,
108.9000

■ 19.6713, 9.1088,
95.3291

■ 18.4030, 7.6157,
95.1078

■ 18.0859, 7.2385,
95.0517

Harmonies

Analogous

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



39.2573, 42.7079, 107.2992



47.6226, 42.7079, 100.3412



54.8881, 42.7079, 77.3236

Triad

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



47.6226, 42.7079, 100.3412



50.2715, 42.7079, 18.5016



26.8623, 42.7079, 42.7411

Complementary

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



47.6226, 42.7079, 100.3412



83.5158, 95.3439, 50.0793

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.



29.0234, 42.7079, 25.1996



47.6226, 42.7079, 100.3412



41.9578, 42.7079, 14.5298

Square

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



47.6226, 42.7079, 100.3412



56.5557, 42.7079, 29.9185



34.2909, 42.7079, 16.4877



27.9572, 42.7079, 68.2993

Rectangle

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



47.6226, 42.7079, 100.3412



57.7494, 42.7079, 59.0864



34.2909, 42.7079, 16.4877



27.2226, 42.7079, 35.8441

Sweetspot

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



47.6240, 42.7095, 100.3414



78.7726, 80.3235, 105.9600



69.5365, 86.8473, 107.7060



16.4093, 16.6471, 22.5983



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.



47.6240, 42.7095, 100.3414



41.0378, 34.7679, 99.1557



58.4081, 48.2689, 100.8461



17.0219, 17.3875, 22.7089



9.4584, 3.7865, 49.6669



0.9273, 0.3720, 4.8362

Inverse Universe

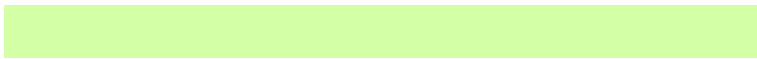
The Inverse Universe completely reimagines the original color for something new.



72.7659, 55.6892, 100.6788



69.6708, 49.5511, 99.4862



69.3646, 88.0486, 49.4170



18.7834, 18.2967, 22.7423



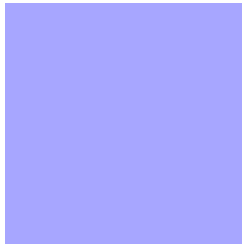
30.7448, 14.7872, 49.4339



2.9963, 1.4409, 4.8276

Previews

White Background



This preview shows how the XYZ color 47.6226, 42.7079, 100.3412 looks on a white background.

Color Contrast Check

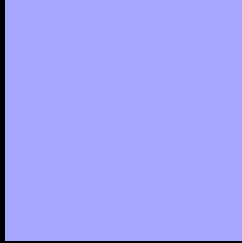
Large Text (above 18pt) WCAG AA × Fail

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 47.6226, 42.7079, 100.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

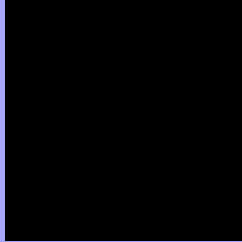
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6226, 42.7079, 100.3412

Background



This preview shows how black text looks on a background with the XYZ color 47.6226, 42.7079, 100.3412.



This preview shows how white text looks on a background with the XYZ color 47.6226, 42.7079,

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

47.6226, 42.7079, 100.3412

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

43.8285, 42.7298, 98.8662



Tritanopia

38.8826, 42.8628, 56.6761

Trichromacy



Original Color

47.6226, 42.7079, 100.3412

Protanomaly

45.7512, 42.8395, 100.4652

Deuteranomaly

45.0266, 42.4845, 99.5931

Tritanomaly

41.6313, 42.4991, 70.9747

Monochromacy



Original Color

47.6226, 42.7079, 100.3412

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.0055, 42.7971, 63.7516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6226, 42.7079, 100.3412 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(167, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 166, 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(167, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6226, 42.7079, 100.3412 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(167, 166, 255) }
```


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

```
.border{ border-color:rgb(167, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6226, 42.7079, 100.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 166, 255) }
```

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

```
.background{ background-color: rgb(167,  
166, 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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