

Converting Colors

XYZ(47.4739, 42.0957,
100.2309)

Have a look what the booklet for
XYZ(47.4739, 42.0957, 100.2309)
contains.

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Color

**XYZ(47.4739, 42.0957,
100.2309)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A4FF
RGB	168, 164, 255
RGB Percent	66%, 64%, 100%
CMY	0.3412, 0.3569, 0.0000
CMYK	0.34, 0.36, 0.00, 0.00
HSL	243°, 100%, 82%
HSV	243°, 36%, 100%
XYZ	47.4739, 42.0957, 100.2309
YIQ	175.5700, -26.8270, 29.1490

Conversions

Conversions Part 2

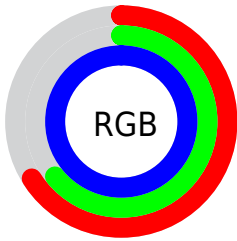
Format	Color
RYB	168, 164, 255
Decimal	11052287
CIELab	70.94, 21.98, -44.66
CIELCh	71, 49.782, 296.207
Yxy	42.0957, 0.2501, 0.2218
Android (android.graphics.Color)	4289242367 (0xFFA8A4FF)
YUV	175.5700, 39.1590, -6.6389
Hunter-Lab	64.8812, 17.0673, -46.1766

Details

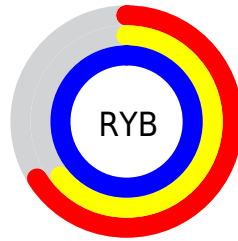
The XYZ color **47.4739, 42.0957, 100.2309** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.2444, 94.7095, 49.0694**, and the grayscale version is **40.8573, 42.9850, 46.8107**.

A 20% lighter version of the original color is **74.4329, 73.8906, 104.9470**, and **22.7973, 19.1763, 55.9259** is the 20% darker color. If you saturate the color by 10%, you get **38.6470, 31.4372, 98.6388**, and if you desaturate by 10%, it is **58.1912, 55.0884, 102.1739**.

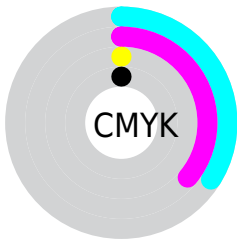
Distribution



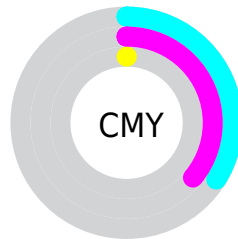
- Red (66%)
- Green (64%)
- Blue (100%)



- Red (66%)
- Yellow (64%)
- Blue (100%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4739, 42.0957, 100.2309 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 47.4739, 42.0957, 100.2309 by changing the saturation by 10% instead.

■ 47.4739, 42.0957,
100.2309

■ 47.4739, 42.0957,
100.2309

367.3204,
354.8795, 582.1857

■ 33.6200, 29.1762,
75.8754

■ 85.6350, 78.3444,
163.5291

■ 22.7633, 19.2142,
55.8243

■ 110.6729,
102.4425, 203.3089

■ 14.5386, 11.8251,
39.6590

140.1695,
131.0356, 249.0672

■ 8.5804, 6.6247,
26.9610

174.4902,
164.5080, 301.2226

■ 4.5234, 3.2285,
17.3118

214.0002,
203.2442, 360.1936

■ 2.0023, 1.2522,
10.2927

259.0650,

■ 0.6353, 0.1037,

247.6286, 426.3988

5.4853

310.0500,
298.0456, 500.2566

■ 0.0000, 0.0000,
2.4711

■ 0.0000, 0.0000,
0.8248

■ 47.4739, 42.0957,
100.2309

■ 47.4739, 42.0957,
100.2309

■ 38.6470, 31.4372,
98.6388

■ 58.1912, 55.0884,
102.1739

■ 31.5971, 22.9703,
97.3761

■ 70.8956, 70.5376,
104.4863

■ 26.2046, 16.5439,
96.4199

■ 85.6819, 88.5622,
107.1860

■ 22.3340, 11.9859,
95.7441

■ 95.0500, 100.0000,
108.9000

■ 19.8279, 9.0958,
95.3184

■ 18.4947, 7.6269,
95.1051

■ 18.1908, 7.2926,
95.0566

Harmonies

Analogous

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



38.9651, 42.0957, 108.1723



47.4739, 42.0957, 100.2309



54.7796, 42.0957, 76.2165

Triad

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



47.4739, 42.0957, 100.2309



49.5513, 42.0957, 17.3939



26.1155, 42.0957, 42.8798

Complementary

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



47.4739, 42.0957, 100.2309



82.2444, 94.7095, 49.0694

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.



28.1680, 42.0957, 24.8378



47.4739, 42.0957, 100.2309



41.0749, 42.0957, 13.6997

Square

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



47.4739, 42.0957, 100.2309



56.0906, 42.0957, 28.4807



33.3738, 42.0957, 15.8579



27.3414, 42.0957, 69.1054

Rectangle

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



47.4739, 42.0957, 100.2309



57.5808, 42.0957, 57.6080



33.3738, 42.0957, 15.8579



26.4366, 42.0957, 35.7864

Sweetspot

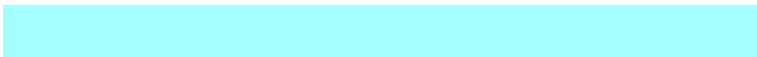
The Sweet Spot groups the original color and five complimentary colors.



47.4753, 42.0972, 100.2311



77.5585, 78.6548, 105.7019



68.1604, 84.7128, 107.3665



16.1778, 16.3200, 22.5474



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.



47.4753, 42.0972, 100.2311



40.8382, 34.0782, 99.0331



58.6318, 47.8486, 100.7532



17.0769, 17.4158, 22.7115



9.5368, 3.8269, 49.6706



0.9534, 0.3854, 4.8374

Inverse Universe

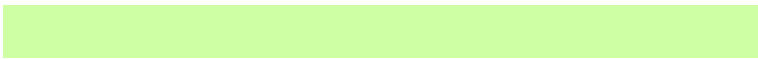
The Inverse Universe completely reimagines the original color for something new.



71.9284, 54.7769, 98.0479



68.7024, 48.5313, 96.3360



68.0449, 87.3894, 48.4048



18.7561, 18.2858, 22.5989



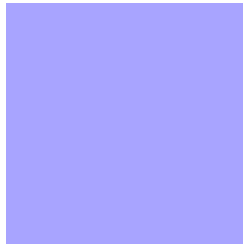
30.0795, 14.5211, 45.9305



2.9390, 1.4180, 4.5262

Previews

White Background



This preview shows how the XYZ color 47.4739, 42.0957, 100.2309 looks on a white background.

Color Contrast Check

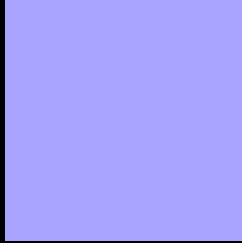
Large Text (above 18pt) WCAG AA × Fail

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 47.4739, 42.0957, 100.2309 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 47.4739, 42.0957, 100.2309

Background



This preview shows how black text looks on a background with the XYZ color 47.4739, 42.0957, 100.2309.



This preview shows how white text looks on a background with the XYZ color 47.4739, 42.0957,

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

47.4739, 42.0957, 100.2309

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.2974, 42.1723, 98.7866



Tritanopia

38.4525, 42.0759, 55.3850

Trichromacy



Original Color

47.4739, 42.0957, 100.2309

Protanomaly

45.1895, 41.9976, 100.3323

Deuteranomaly

44.6550, 42.0157, 99.5222

Tritanomaly

41.1882, 41.7310, 69.5024

Monochromacy



Original Color

47.4739, 42.0957, 100.2309

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 47.4739, 42.0957, 100.2309 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, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.4739, 42.0957, 100.2309 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, 164, 255) }
```


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

```
.border{ border-color:rgb(168, 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(168, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4739, 42.0957, 100.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 255) }
```

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

```
.background{ background-color: rgb(168,  
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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