

Converting Colors

XYZ(48.8677, 42.0389,
100.1465)

Have a look what the booklet for
XYZ(48.8677, 42.0389, 100.1465)
contains.

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Color

**XYZ(48.9263, 42.0568,
100.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A1FF
RGB	177, 161, 255
RGB Percent	69%, 63%, 100%
CMY	0.3059, 0.3686, 0.0000
CMYK	0.31, 0.37, 0.00, 0.00
HSL	250°, 100%, 82%
HSV	250°, 37%, 100%
XYZ	48.9263, 42.0568, 100.1468
YIQ	176.5000, -20.6380, 32.6260

Conversions

Conversions Part 2

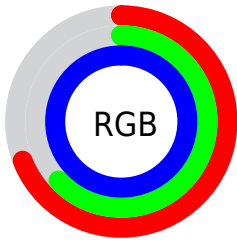
Format	Color
R_{YB}	177, 161, 255
Decimal	11641343
CIE _{Lab}	70.91, 26.10, -44.66
CIE _{LCh}	71, 51.727, 300.309
Yxy	42.0568, 0.2560, 0.2200
Android (android.graphics.Color)	4289831423 (0xFFB1A1FF)
YUV	176.5000, 38.7005, 0.4385
Hunter-Lab	64.8512, 21.1778, -46.1630

Details

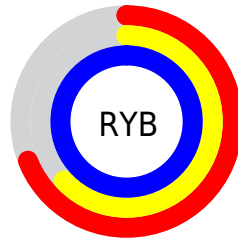
The XYZ color **48.9263, 42.0568, 100.1468** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.7898, 92.4440, 47.4632**, and the grayscale version is **41.3408, 43.4938, 47.3647**.

A 20% lighter version of the original color is **76.5376, 73.8242, 104.8233**, and **23.6877, 19.1521, 55.8743** is the 20% darker color. If you saturate the color by 10%, you get **40.4645, 31.7411, 98.6017**, and if you desaturate by 10%, it is **59.0467, 54.5781, 102.0303**.

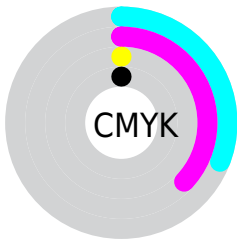
Distribution



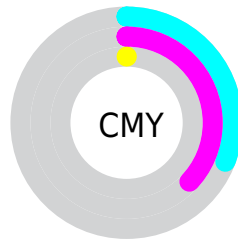
- Red (69%)
- Green (63%)
- Blue (100%)



- Red (69%)
- Yellow (63%)
- Blue (100%)



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9263, 42.0568, 100.1468 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 48.9263, 42.0568, 100.1468 by changing the saturation by 10% instead.


 48.9263, 42.0568,
100.1468


 48.9263, 42.0568,
100.1468

372.9739,
354.7183, 581.9139

 34.7753, 29.1458,
75.8056

 87.7834, 78.2856,
163.4125

 23.6556, 19.1911,
55.7674


 113.2202,
102.3721, 203.1741

 15.2017, 11.8085,
39.6137


143.1496,
130.9526, 248.9129

 9.0483, 6.6134,
26.9260

177.9370,
164.4115, 301.0475

 4.8300, 3.2215,
17.2857

217.9478,
203.1331, 359.9963

 2.1816, 1.2484,
10.2743

263.5473,

 0.7330, 0.1007,

247.5018, 426.1780

5.4732

315.1009,
297.9021, 500.0110

■ 0.0000, 0.0000,
2.4640

■ 0.0000, 0.0000,
0.8210

■ 48.9263, 42.0568,
100.1468

■ 48.9263, 42.0568,
100.1468

■ 40.4645, 31.7411,
98.6017

■ 59.0467, 54.5781,
102.0303

■ 33.5673, 23.4973,
97.3740

■ 70.9047, 69.4186,
104.2698

■ 28.1374, 17.1847,
96.4417

■ 84.5789, 86.6898,
106.8828

■ 24.0644, 12.6425,
95.7796

95.0500, 100.0000,
108.9000

■ 21.2217, 9.6833,
95.3583

■ 19.4546, 8.0731,
95.1406

■ 19.0634, 7.7424,
95.0974

Harmonies

Analogous

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



40.0632, 42.0568, 111.4688



48.9263, 42.0568, 100.1468



56.1530, 42.0568, 73.5273

Triad

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



48.9263, 42.0568, 100.1468



48.7493, 42.0568, 15.7149



25.5963, 42.0568, 46.0493

Complementary

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



48.9263, 42.0568, 100.1468



77.7898, 92.4440, 47.4632

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.



27.2454, 42.0568, 26.0907



48.9263, 42.0568, 100.1468



39.8844, 42.0568, 12.8567

Square

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



48.9263, 42.0568, 100.1468



56.0409, 42.0568, 25.7870



32.1858, 42.0568, 15.8408



27.3147, 42.0568, 74.1372

Rectangle

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



48.9263, 42.0568, 100.1468



58.6187, 42.0568, 54.2481



32.1858, 42.0568, 15.8408



25.7721, 42.0568, 38.2650

Sweetspot

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



48.9277, 42.0584, 100.1470



78.6948, 79.2406, 105.7550



63.7129, 76.7261, 106.0593



16.4462, 16.4583, 22.5599



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.



48.9277, 42.0584, 100.1470



42.7222, 34.4757, 99.0105



61.4330, 48.5051, 100.7323



17.2911, 17.5263, 22.7215



10.0446, 4.0886, 49.6944



1.0544, 0.4375, 4.8421

Inverse Universe

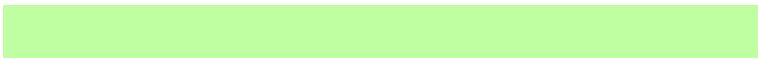
The Inverse Universe completely reimagines the original color for something new.



69.5653, 52.9828, 88.2213



66.1584, 46.8953, 84.8463



64.0166, 85.3436, 46.8186



18.6521, 18.2441, 22.0510



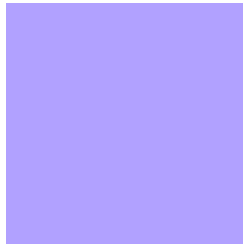
27.7803, 13.6014, 33.8234



2.7384, 1.3377, 3.4698

Previews

White Background



This preview shows how the XYZ color 48.9263, 42.0568, 100.1468 looks on a white background.

Color Contrast Check

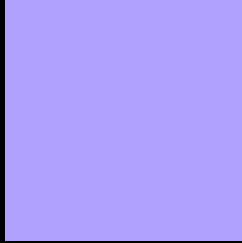
Large Text (above 18pt) WCAG AA × Fail

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 48.9263, 42.0568, 100.1468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

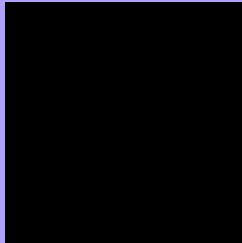
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9263, 42.0568, 100.1468

Background



This preview shows how black text looks on a background with the XYZ color 48.9263, 42.0568, 100.1468.



This preview shows how white text looks on a background with the XYZ color 48.9263, 42.0568,

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

48.9263, 42.0568, 100.1468

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.4667, 42.2596, 98.7945



Tritanopia

39.6195, 42.1206, 54.1860

Trichromacy



Original Color

48.9263, 42.0568, 100.1468

Protanomaly

45.7733, 42.0255, 100.3070

Deuteranomaly

45.2185, 42.0310, 99.4955

Tritanomaly

42.5334, 41.8784, 68.7924

Monochromacy



Original Color

48.9263, 42.0568, 100.1468

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.7138, 42.8807, 63.7304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9263, 42.0568, 100.1468 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(177, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 161, 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(177, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.9263, 42.0568, 100.1468 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(177, 161, 255) }
```


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

```
.border{ border-color:rgb(177, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9263, 42.0568, 100.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 161, 255) }
```

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

```
.background{ background-color: rgb(177,  
161, 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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