

Converting Colors

XYZ(55.7282, 45.5995,
140.0358)

Have a look what the booklet for
XYZ(55.7282, 45.5995, 140.0358)
contains.

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Color

**XYZ(48.1200, 42.4288,
100.2611)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA4FF
RGB	171, 164, 255
RGB Percent	67%, 64%, 100%
CMY	0.3294, 0.3569, 0.0000
CMYK	0.33, 0.36, 0.00, 0.00
HSL	245°, 100%, 82%
HSV	245°, 36%, 100%
XYZ	48.1200, 42.4288, 100.2611
YIQ	176.4670, -25.0390, 29.7850

Conversions

Conversions Part 2

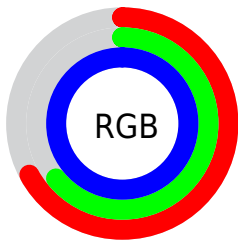
Format	Color
R _Y B	171, 164, 255
Decimal	11248895
CIE Lab	71.17, 22.79, -44.29
CIE LCh	71, 49.809, 297.229
Yxy	42.4288, 0.2522, 0.2224
Android (android.graphics.Color)	4289438975 (0xFFABA4FF)
YUV	176.4670, 38.7168, -4.7946
Hunter-Lab	65.1374, 17.8758, -45.6645

Details

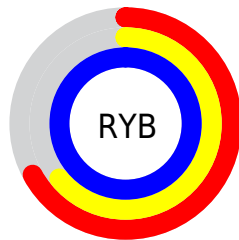
The XYZ color **48.1200, 42.4288, 100.2611** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.1723, 94.1568, 49.0193**, and the grayscale version is **41.3252, 43.4773, 47.3468**.

A 20% lighter version of the original color is **75.3764, 74.3770, 104.9912**, and **23.1897, 19.3786, 55.9443** is the 20% darker color. If you saturate the color by 10%, you get **39.3271, 31.7878, 98.6706**, and if you desaturate by 10%, it is **58.7435, 55.3732, 102.1997**.

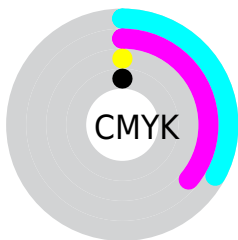
Distribution



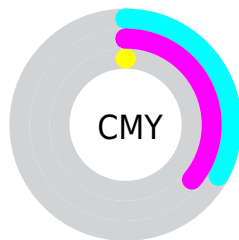
- Red (67%)
- Green (64%)
- Blue (100%)



- Red (67%)
- Yellow (64%)
- Blue (100%)



- Cyan (33%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1200, 42.4288, 100.2611 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 48.1200, 42.4288, 100.2611 by changing the saturation by 10% instead.

■ 48.1200, 42.4288,
100.2611

■ 48.1200, 42.4288,
100.2611

369.8423,
356.2574, 582.2833

■ 34.1336, 29.4372,
75.9005

■ 86.5917, 78.8482,
163.5710

■ 23.1596, 19.4118,
55.8448

■ 111.8076,
103.0448, 203.3573

■ 14.8327, 11.9682,
39.6753

141.4974,
131.7451, 249.1226

■ 8.7876, 6.7220,
26.9736

176.0265,
165.3336, 301.2855

■ 4.6589, 3.2889,
17.3212

215.7602,
204.1947, 360.2645

■ 2.0812, 1.2843,
10.2994

261.0638,

■ 0.6790, 0.1290,

248.7128, 426.4781

5.4897

312.3027,
299.2722, 500.3448

■ 0.0000, 0.0000,
2.4736

■ 0.0000, 0.0000,
0.8261

■ 48.1200, 42.4288,
100.2611

■ 48.1200, 42.4288,
100.2611

■ 39.3271, 31.7878,
98.6706

■ 58.7435, 55.3732,
102.1997

■ 32.2571, 23.3106,
97.4070

■ 71.2886, 70.7402,
104.5047

■ 26.7977, 16.8497,
96.4477

■ 85.8455, 88.6466,
107.1937

■ 22.8213, 12.2372,
95.7669

■ 95.0500, 100.0000,
108.9000

■ 20.1809, 9.2778,
95.3349

■ 18.6986, 7.7320,
95.1147

■ 18.3308, 7.3647,
95.0631

Harmonies

Analogous

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



39.5569, 42.4288, 108.9427



48.1200, 42.4288, 100.2611



55.3726, 42.4288, 75.7884

Triad

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



48.1200, 42.4288, 100.2611



49.6468, 42.4288, 17.3381



26.3349, 42.4288, 44.0125

Complementary

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



48.1200, 42.4288, 100.2611



81.1723, 94.1568, 49.0193

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.



28.2886, 42.4288, 25.5281



48.1200, 42.4288, 100.2611



41.1077, 42.4288, 13.8297

Square

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



48.1200, 42.4288, 100.2611



56.3361, 42.4288, 28.2067



33.4249, 42.4288, 16.2082



27.6809, 42.4288, 70.5631

Rectangle

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



48.1200, 42.4288, 100.2611



58.0790, 42.4288, 57.1139



33.4249, 42.4288, 16.2082



26.6204, 42.4288, 36.7695

Sweetspot

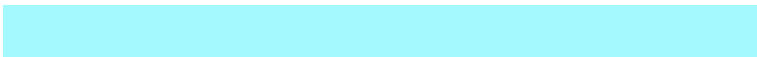
The Sweet Spot groups the original color and five complimentary colors.



48.1214, 42.4304, 100.2613



77.8530, 78.8066, 105.7156



67.2156, 82.8231, 107.0516



16.2473, 16.3558, 22.5506



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.



48.1214, 42.4304, 100.2613



41.5146, 34.4269, 99.0647



59.5174, 48.3052, 100.7947



17.1324, 17.4445, 22.7141



9.6239, 3.8718, 49.6747



0.9797, 0.3990, 4.8386

Inverse Universe

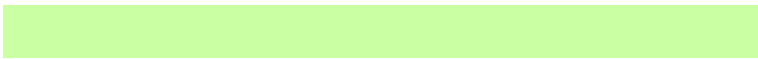
The Inverse Universe completely reimagines the original color for something new.



71.4592, 54.5893, 95.5770



68.1403, 48.3065, 93.3764



67.2084, 86.9581, 48.3658



18.7288, 18.2748, 22.4550



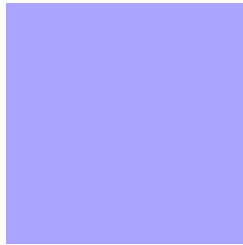
29.4385, 14.2647, 42.5551



2.8835, 1.3958, 4.2341

Previews

White Background



This preview shows how the XYZ color 48.1200, 42.4288, 100.2611 looks on a white background.

Color Contrast Check

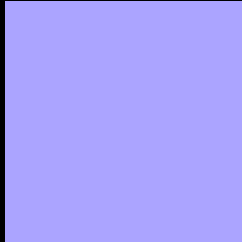
Large Text (above 18pt) WCAG AA × Fail

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 48.1200, 42.4288, 100.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

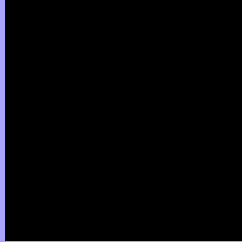
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1200, 42.4288, 100.2611

Background



This preview shows how black text looks on a background with the XYZ color 48.1200, 42.4288, 100.2611.



This preview shows how white text looks on a background with the XYZ color 48.1200, 42.4288,

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

48.1200, 42.4288, 100.2611

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.8285, 42.7298, 98.8662



Tritanopia

39.0307, 42.3740, 55.4121

Trichromacy



Original Color

48.1200, 42.4288, 100.2611

Protanomaly

45.5702, 42.1938, 100.3502

Deuteranomaly

45.4010, 42.6775, 99.6106

Tritanomaly

41.7904, 42.0415, 69.5306

Monochromacy



Original Color

48.1200, 42.4288, 100.2611

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2275, 42.9115, 63.7620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1200, 42.4288, 100.2611 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(171, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1200, 42.4288, 100.2611 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(171, 164, 255) }
```


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

```
.border{ border-color:rgb(171, 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(171, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1200, 42.4288, 100.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 164, 255) }
```

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

```
.background{ background-color: rgb(171,  
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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