

Converting Colors

XYZ(49.8076, 42.1526, 95.7949)

Have a look what the booklet for
XYZ(49.8076, 42.1526, 95.7949)
contains.

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Color

**XYZ(49.9032, 42.1375,
95.9456)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9FFA
RGB	186, 159, 250
RGB Percent	73%, 62%, 98%
CMY	0.2706, 0.3765, 0.0196
CMYK	0.26, 0.36, 0.00, 0.02
HSL	258°, 90%, 80%
HSV	258°, 36%, 98%
XYZ	49.9032, 42.1375, 95.9456
YIQ	177.4470, -13.1190, 34.0250

Conversions

Conversions Part 2

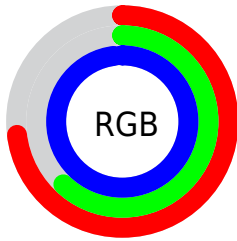
Format	Color
R _Y B	186, 159, 250
Decimal	12230650
CIE Lab	70.97, 28.51, -41.80
CIE LCh	71, 50.601, 304.300
Yxy	42.1375, 0.2655, 0.2242
Android (android.graphics.Color)	4290420730 (0xFFBA9FFA)
YUV	177.4470, 35.7686, 7.5010
Hunter-Lab	64.9134, 23.6262, -42.1945

Details

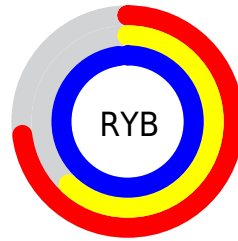
The XYZ color **49.9032, 42.1375, 95.9456** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.8759, 86.5632, 45.7753**, and the grayscale version is **41.8488, 44.0282, 47.9467**.

A 20% lighter version of the original color is **79.0587, 74.3678, 104.7953**, and **24.2434, 19.1909, 52.8785** is the 20% darker color. If you saturate the color by 10%, you get **42.0193, 32.3244, 94.4677**, and if you desaturate by 10%, it is **59.1851, 53.9635, 97.7398**.

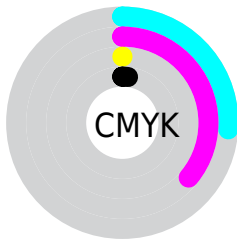
Distribution



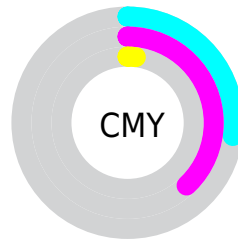
- Red (73%)
- Green (62%)
- Blue (98%)



- Red (73%)
- Yellow (62%)
- Blue (98%)



- Cyan (26%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)





- Cyan (27%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9032, 42.1375, 95.9456 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 49.9032, 42.1375, 95.9456 by changing the saturation by 10% instead.


 49.9032, 42.1375,
95.9456


 49.9032, 42.1375,
95.9456


376.7455,
355.0526, 568.2493

 35.5540, 29.2090,
72.3210


 89.2241, 78.4077,
157.5771

 24.2584, 19.2390,
52.9325


 114.9265,
102.5181, 196.4212

 15.6512, 11.8431,
37.3615


145.1440,
131.1247, 241.1755

 9.3670, 6.6369,
25.1896

180.2420,
164.6117, 292.2585

 5.0403, 3.2361,
15.9980

220.5858,
203.3636, 350.0889

 2.3059, 1.2562,
9.3684

266.5407,

 0.7977, 0.1069,

247.7648, 415.0851

4.8822

318.4722,
298.1997, 487.6657

■ 0.0000, 0.0000,
2.1208

■ 0.0000, 0.0000,
0.6281

■ 49.9032, 42.1375,
95.9456

■ 49.9032, 42.1375,
95.9456

■ 42.0193, 32.3244,
94.4677

■ 59.1851, 53.9635,
97.7398

■ 35.4570, 24.4041,
93.2848

■ 69.9267, 67.9034,
99.8643

■ 30.1394, 18.2508,
92.3774

■ 82.1916, 84.0572,
102.3359

■ 25.9788, 13.7211,
91.7224

■ 94.2554, 99.6822,
104.7160

■ 22.8745, 10.6482,
91.2929

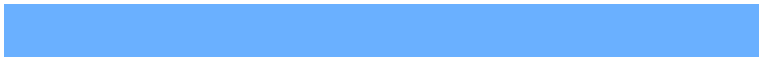
■ 20.7046, 8.8254,
91.0554

■ 20.0932, 8.3651,
90.9988

Harmonies

Analogous

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



41.2788, 42.1375, 109.5368



49.9032, 42.1375, 95.9456



56.5149, 42.1375, 69.1165

Triad

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



49.9032, 42.1375, 95.9456



47.5039, 42.1375, 15.4628



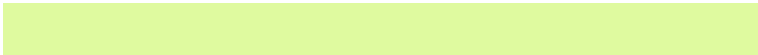
25.9563, 42.1375, 49.4520

Complementary

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



49.9032, 42.1375, 95.9456



70.8759, 86.5632, 45.7753

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.



27.1413, 42.1375, 28.5409



49.9032, 42.1375, 95.9456



38.8467, 42.1375, 13.3999

Square

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



49.9032, 42.1375, 95.9456



54.9989, 42.1375, 24.3671



31.5882, 42.1375, 17.2114



28.0903, 42.1375, 77.3500

Rectangle

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



49.9032, 42.1375, 95.9456



58.4543, 42.1375, 50.6507



31.5882, 42.1375, 17.2114



25.9822, 42.1375, 41.4198

Sweetspot

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



49.9047, 42.1392, 95.9466



79.8565, 79.8395, 105.8094



58.2686, 67.7022, 100.4399



16.7213, 16.6001, 22.5728



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.



49.9047, 42.1392, 95.9466



45.7675, 36.0456, 99.1530



62.3788, 48.5698, 96.5303



16.7670, 16.8925, 21.7622



10.7831, 4.5016, 48.2741



1.1001, 0.4692, 4.4758

Inverse Universe

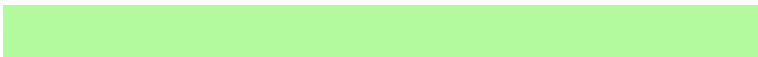
The Inverse Universe completely reimagines the original color for something new.



65.1428, 50.4494, 76.1170



64.1783, 46.1033, 74.4192



58.9698, 80.4254, 45.2181



17.7607, 17.4317, 20.5958



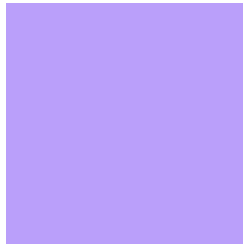
25.1256, 12.4660, 23.1675



2.3736, 1.1732, 2.3908

Previews

White Background



This preview shows how the XYZ color 49.9032, 42.1375, 95.9456 looks on a white background.

Color Contrast Check

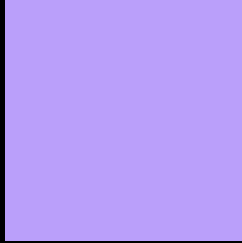
Large Text (above 18pt) WCAG AA × Fail

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 49.9032, 42.1375, 95.9456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

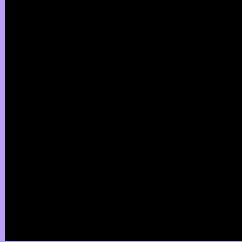
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9032, 42.1375, 95.9456

Background



This preview shows how black text looks on a background with the XYZ color 49.9032, 42.1375, 95.9456.



This preview shows how white text looks on a background with the XYZ color 49.9032, 42.1375,

95.9456.

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

49.9032, 42.1375, 95.9456

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.3951, 42.3314, 93.8793



Tritanopia

41.0710, 42.0489, 52.4059

Trichromacy



Original Color

49.9032, 42.1375, 95.9456

Protanomaly

46.2463, 42.3063, 98.6570

Deuteranomaly

45.4599, 41.9918, 94.5162

Tritanomaly

43.6874, 41.7059, 66.0691

Monochromacy



Original Color

49.9032, 42.1375, 95.9456

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.0962, 42.8124, 63.0662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9032, 42.1375, 95.9456 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(186, 159, 250)` looks like.

```
.text, #text, p{  
    color:rgb(186, 159, 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(186, 159, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 159, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.9032, 42.1375, 95.9456 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(186, 159, 250) }
```


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

```
.border{ border-color:rgb(186, 159, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 159, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 159, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 159, 250);  
box-shadow:4px 4px 4px 4px rgb(186, 159,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9032, 42.1375, 95.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 159, 250) }
```

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

```
.background{ background-color: rgb(186,  
159, 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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