

Converting Colors

XYZ(49.9915, 42.4003, 90.8557)

Have a look what the booklet for
XYZ(49.9915, 42.4003, 90.8557)
contains.

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Color

**XYZ(49.9625, 42.2751,
91.1145)**

Conversions

Conversions Part 1

Format	Color
Hex	BE9FF4
RGB	190, 159, 244
RGB Percent	75%, 62%, 96%
CMY	0.2549, 0.3765, 0.0431
CMYK	0.22, 0.35, 0.00, 0.04
HSL	262°, 79%, 79%
HSV	262°, 35%, 96%
XYZ	49.9625, 42.2751, 91.1145
YIQ	177.9590, -8.8090, 33.0070

Conversions

Conversions Part 2

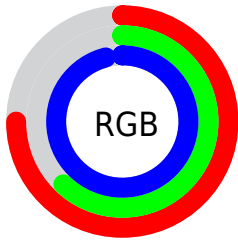
Format	Color
RYB	190, 159, 244
Decimal	12492788
CIELab	71.06, 28.27, -38.36
CIELCh	71, 47.654, 306.383
Yxy	42.2751, 0.2725, 0.2306
Android (android.graphics.Color)	4290682868 (0xFFBE9FF4)
YUV	177.9590, 32.5582, 10.5600
Hunter-Lab	65.0193, 23.3802, -37.5723

Details

The XYZ color **49.9625, 42.2751, 91.1145** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.0503, 81.3516, 45.0238**, and the grayscale version is **42.1332, 44.3274, 48.2725**.

A 20% lighter version of the original color is **80.4543, 75.0873, 104.8606**, and **24.2190, 19.2541, 49.4536** is the 20% darker color. If you saturate the color by 10%, you get **42.5056, 32.8057, 89.6805**, and if you desaturate by 10%, it is **58.6623, 53.6165, 92.8458**.

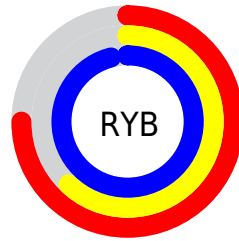
Distribution



Red (75%)

Green (62%)

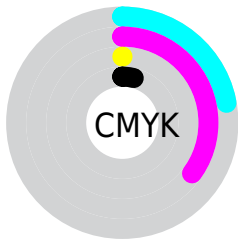
Blue (96%)



Red (75%)

Yellow (62%)

Blue (96%)

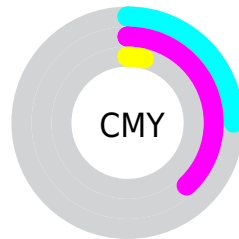


Cyan (22%)

Magenta (35%)

Yellow (0%)

Black (4%)



Cyan (25%)


Magenta (38%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9625, 42.2751, 91.1145 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 49.9625, 42.2751, 91.1145 by changing the saturation by 10% instead.


 49.9625, 42.2751,
91.1145


 49.9625, 42.2751,
91.1145


376.9737,
355.6221, 552.3130

 35.6013, 29.3168,
68.3265

 89.3115, 78.6158,
150.8345

 24.2951, 19.3206,
49.6950


 115.0299,
102.7670, 188.6036

 15.6786, 11.9021,
34.8017

145.2648,
131.4179, 232.2035

 9.3864, 6.6771,
23.2278

180.3816,
164.9529, 282.0526

 5.0532, 3.2610,
14.5549

220.7455,
203.7564, 338.5696

 2.3136, 1.2695,
8.3645

266.7219,

 0.8016, 0.1174,

248.2129, 402.1730

4.2379

318.6762,
298.7066, 473.2813

■ 0.0000, 0.0000,
1.7568

■ 0.0000, 0.0000,
0.3992

■ 49.9625, 42.2751,
91.1145

■ 49.9625, 42.2751,
91.1145

■ 42.5056, 32.8057,
89.6805

■ 58.6623, 53.6165,
92.8458

■ 36.2254, 25.0985,
88.5238

■ 68.6577, 66.9209,
94.8870

■ 31.0557, 19.0403,
87.6269

■ 80.0038, 82.2795,
97.2535

■ 26.9214, 14.5015,
86.9688

■ 92.2369, 98.7486,
99.7876

■ 23.7364, 11.3325,
86.5250

■ 93.3293, 99.3117,
99.8387

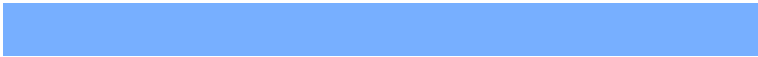
■ 21.3975, 9.3507,
86.2657

■ 20.4480, 8.6550,
86.1815

Harmonies

Analogous

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



41.9070, 42.2751, 104.7906



49.9625, 42.2751, 91.1145



55.9020, 42.2751, 65.9226

Triad

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



49.9625, 42.2751, 91.1145



46.6312, 42.2751, 16.4135



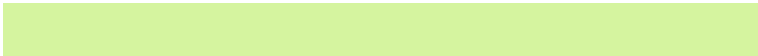
26.8075, 42.2751, 51.0780

Complementary

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



49.9625, 42.2751, 91.1145



66.0503, 81.3516, 45.0238

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.



27.7243, 42.2751, 30.6060



49.9625, 42.2751, 91.1145



38.5034, 42.2751, 14.7624

Square

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



49.9625, 42.2751, 91.1145



53.8080, 42.2751, 24.6153



31.7679, 42.2751, 18.9881



29.0744, 42.2751, 77.2398

Rectangle

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



49.9625, 42.2751, 91.1145



57.4764, 42.2751, 48.8523



31.7679, 42.2751, 18.9881



26.7584, 42.2751, 43.3193

Sweetspot

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



49.9640, 42.2768, 91.1155



81.7370, 81.8517, 106.0987



54.7384, 62.1237, 94.6947



17.1211, 17.0141, 22.6316



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.



49.9640, 42.2768, 91.1155



49.1080, 38.9282, 99.5334



61.7642, 48.3600, 91.6677



16.1518, 16.2209, 20.8222



11.2551, 4.7766, 46.8668



1.0980, 0.4759, 4.1242

Inverse Universe

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



61.7178, 48.8350, 69.1252



64.2011, 47.3632, 70.6832



55.5684, 75.9480, 44.5333



16.9422, 16.6597, 19.4423



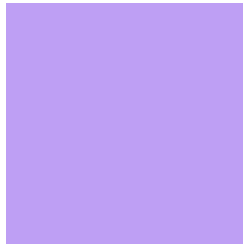
23.5716, 11.7721, 18.2504



2.1210, 1.0544, 1.8635

Previews

White Background



This preview shows how the XYZ color 49.9625, 42.2751, 91.1145 looks on a white background.

Color Contrast Check

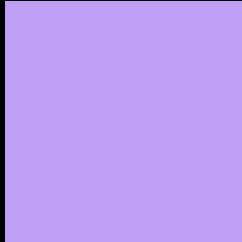
Large Text (above 18pt) WCAG AA × Fail

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 49.9625, 42.2751, 91.1145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

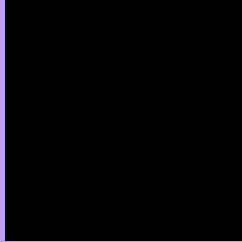
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9625, 42.2751, 91.1145

Background



This preview shows how black text looks on a background with the XYZ color 49.9625, 42.2751, 91.1145.



This preview shows how white text looks on a background with the XYZ color 49.9625, 42.2751,

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

49.9625, 42.2751, 91.1145

Protanopia

44.4849, 42.4846, 99.6217

Deuteranopia

43.5786, 42.5313, 89.1316



Tritanopia

41.9103, 42.2123, 51.8378

Trichromacy



Original Color

49.9625, 42.2751, 91.1145

Protanomaly

46.1783, 42.3261, 96.1784

Deuteranomaly

45.5716, 42.1552, 89.7393

Tritanomaly

44.4877, 42.1609, 64.1856

Monochromacy



Original Color

49.9625, 42.2751, 91.1145

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.5150, 43.3352, 61.8954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9625, 42.2751, 91.1145 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(190, 159, 244)` looks like.

```
.text, #text, p{  
    color:rgb(190, 159, 244)  
}
```

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(190, 159, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 159, 244) }
```

Border

The CSS property to change the border of an element to XYZ 49.9625, 42.2751, 91.1145 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(190, 159, 244) }
```


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

```
.border{ border-color:rgb(190, 159, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 159, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 159, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 159, 244);  
box-shadow:4px 4px 4px 4px rgb(190, 159,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9625, 42.2751, 91.1145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 159, 244) }
```

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

```
.background{ background-color: rgb(190,  
159, 244) }
```

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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