

Converting Colors

XYZ(49.2651, 41.6082, 93.4303)

Have a look what the booklet for
XYZ(49.2651, 41.6082, 93.4303)
contains.

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Color

**XYZ(49.2651, 41.6082,
93.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9EF7
RGB	186, 158, 247
RGB Percent	73%, 62%, 97%
CMY	0.2706, 0.3804, 0.0314
CMYK	0.25, 0.36, 0.00, 0.03
HSL	259°, 85%, 79%
HSV	259°, 36%, 97%
XYZ	49.2651, 41.6082, 93.4303
YIQ	176.5180, -11.8810, 33.6150

Conversions

Conversions Part 2

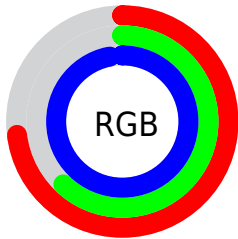
Format	Color
R _Y B	186, 158, 247
Decimal	12230391
CIE Lab	70.60, 28.36, -40.74
CIE LCh	71, 49.643, 304.846
Yxy	41.6082, 0.2673, 0.2258
Android (android.graphics.Color)	4290420471 (0xFFBA9EF7)
YUV	176.5180, 34.7476, 8.3157
Hunter-Lab	64.5044, 23.4462, -40.7245

Details

The XYZ color **49.2651, 41.6082, 93.4303** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.6466, 84.0510, 44.9547**, and the grayscale version is **41.3670, 43.5213, 47.3947**.

A 20% lighter version of the original color is **78.8064, 73.8632, 104.7112**, and **23.8084, 18.8511, 51.0990** is the 20% darker color. If you saturate the color by 10%, you get **41.5959, 32.0169, 91.9839**, and if you desaturate by 10%, it is **58.2712, 53.1472, 95.1836**.

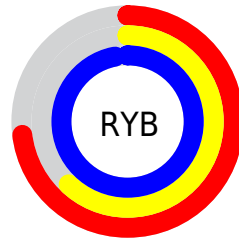
Distribution



Red (73%)

Green (62%)

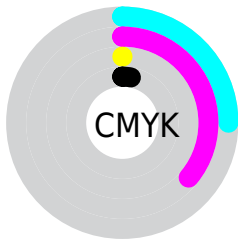
Blue (97%)



Red (73%)

Yellow (62%)

Blue (97%)

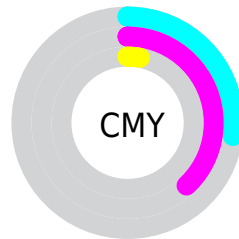


Cyan (25%)

Magenta (36%)

Yellow (0%)

Black (3%)



Cyan (27%)


Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2651, 41.6082, 93.4303 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 49.2651, 41.6082, 93.4303 by changing the saturation by 10% instead.


 49.2651, 41.6082,
93.4303


 49.2651, 41.6082,
93.4303

374.2847,
352.8562, 559.9829

 35.0452, 28.7946,
70.2396

 88.2834, 77.6063,
154.0711

 23.8644, 18.9255,
51.2438

 113.8126,
101.5596, 192.3582

 15.3572, 11.6165,
36.0246


143.8422,
129.9950, 236.5145

 9.1584, 6.4831,
24.1634

178.7376,
163.2968, 286.9585

 4.9026, 3.1410,
15.2415

218.8642,
201.8494, 344.1088

 2.2244, 1.2058,
8.8406

264.5874,

 0.7556, 0.0664,

246.0373, 408.3840

4.5419

316.2724,
296.2447, 480.2025

■ 0.0000, 0.0000,
1.9271

■ 0.0000, 0.0000,
0.5099

■ 49.2651, 41.6082,
93.4303

■ 49.2651, 41.6082,
93.4303

■ 41.5959, 32.0169,
91.9839

■ 58.2712, 53.1472,
95.1836

■ 35.1911, 24.2577,
90.8238

■ 68.6726, 66.7309,
97.2573

■ 29.9779, 18.2099,
89.9312

■ 80.5296, 82.4555,
99.6675

■ 25.8733, 13.7360,
89.2840

■ 93.3191, 99.2534,
102.2358

■ 22.7821, 10.6759,
88.8563

■ 93.7886, 99.4955,
102.2577

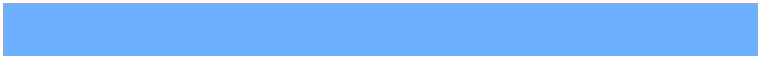
■ 20.5897, 8.8329,
88.6161

■ 19.9068, 8.3229,
88.5537

Harmonies

Analogous

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



40.8952, 41.6082, 106.8959



49.2651, 41.6082, 93.4303



55.6178, 41.6082, 67.3545

Triad

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



49.2651, 41.6082, 93.4303



46.6404, 41.6082, 15.4761



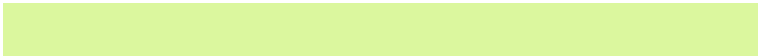
25.8166, 41.6082, 49.2296

Complementary

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



49.2651, 41.6082, 93.4303



68.6466, 84.0510, 44.9547

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.



26.9154, 41.6082, 28.6831



49.2651, 41.6082, 93.4303



38.2294, 41.6082, 13.5470

Square

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



49.2651, 41.6082, 93.4303



53.9615, 41.6082, 24.0793



31.1997, 41.6082, 17.4173



27.9599, 41.6082, 76.3390

Rectangle

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



49.2651, 41.6082, 93.4303



57.4355, 41.6082, 49.4865



31.1997, 41.6082, 17.4173



25.8222, 41.6082, 41.3646

Sweetspot

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



49.2666, 41.6098, 93.4313



80.0228, 79.9252, 105.8172



56.5623, 65.3298, 97.6251



16.7608, 16.6205, 22.5746



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.



49.2666, 41.6098, 93.4313



47.0159, 37.2629, 99.3222



61.3935, 47.8615, 93.9988



16.0718, 16.1796, 20.8185



10.6569, 4.4681, 46.8388



1.0384, 0.4451, 4.1214

Inverse Universe

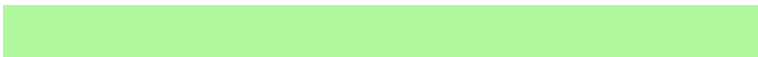
The Inverse Universe completely reimagines the original color for something new.



63.3718, 49.3437, 73.2027



64.4039, 46.8119, 73.7008



57.2928, 78.1979, 44.4233



16.9788, 16.6744, 19.6347



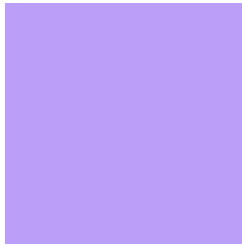
24.1551, 12.0055, 21.3232



2.1693, 1.0737, 2.1181

Previews

White Background



This preview shows how the XYZ color 49.2651, 41.6082, 93.4303 looks on a white background.

Color Contrast Check

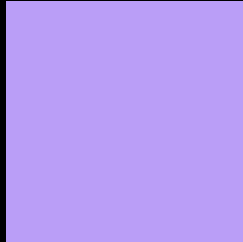
Large Text (above 18pt) WCAG AA × Fail

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 49.2651, 41.6082, 93.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

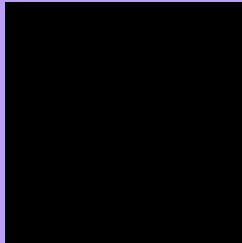
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2651, 41.6082, 93.4303

Background



This preview shows how black text looks on a background with the XYZ color 49.2651, 41.6082, 93.4303.



This preview shows how white text looks on a background with the XYZ color 49.2651, 41.6082,

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

49.2651, 41.6082, 93.4303

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

42.9247, 41.8605, 91.4055



Tritanopia

40.6702, 41.5852, 51.2306

Trichromacy



Original Color

49.2651, 41.6082, 93.4303

Protanomaly

45.5050, 41.6716, 97.7405

Deuteranomaly

44.8156, 41.4421, 92.0233

Tritanomaly

43.2588, 41.2424, 64.7121

Monochromacy



Original Color

49.2651, 41.6082, 93.4303

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.8578, 42.7170, 61.8108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2651, 41.6082, 93.4303 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, 158, 247)` looks like.

```
.text, #text, p{  
    color:rgb(186, 158, 247)  
}
```

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, 158, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 158, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.2651, 41.6082, 93.4303 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, 158, 247) }
```


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

```
.border{ border-color:rgb(186, 158, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 158, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 158, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 158, 247);  
box-shadow:4px 4px 4px 4px rgb(186, 158,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2651, 41.6082, 93.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 158, 247) }
```

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

```
.background{ background-color: rgb(186,  
158, 247) }
```

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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