

Converting Colors

XYZ(49.8513, 36.5683, 91.5435)

Have a look what the booklet for
XYZ(49.8513, 36.5683, 91.5435)
contains.

XYZ(49.9271, 36.6783, 91.6369)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9271, 36.6783,
91.6369)**

Conversions

Conversions Part 1

Format	Color
Hex	CB87F6
RGB	203, 135, 246
RGB Percent	80%, 53%, 96%
CMY	0.2039, 0.4706, 0.0353
CMYK	0.17, 0.45, 0.00, 0.04
HSL	277°, 86%, 75%
HSV	277°, 45%, 96%
XYZ	49.9271, 36.6783, 91.6369
YIQ	167.9860, 4.8970, 48.9370

Conversions

Conversions Part 2

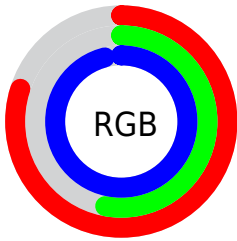
Format	Color
R _Y B	203, 135, 246
Decimal	13338614
CIE Lab	67.03, 45.52, -45.66
CIE LCh	67, 64.478, 314.910
Yxy	36.6783, 0.2801, 0.2058
Android (android.graphics.Color)	4291528694 (0xFFCB87F6)
YUV	167.9860, 38.4609, 30.7073
Hunter-Lab	60.5626, 41.1687, -47.3175

Details

The XYZ color **49.9271, 36.6783, 91.6369** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **55.6901, 77.1266, 34.8749**, and the grayscale version is **37.0294, 38.9578, 42.4251**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **24.3112, 16.0637, 49.9634** is the 20% darker color. If you saturate the color by 10%, you get **44.3673, 29.2928, 90.5050**, and if you desaturate by 10%, it is **56.4420, 45.7347, 93.0422**.

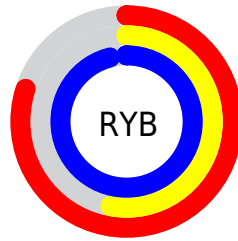
Distribution



Red (80%)

Green (53%)

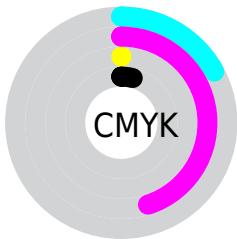
Blue (96%)



Red (80%)

Yellow (53%)

Blue (96%)

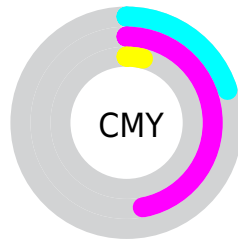


Cyan (17%)

Magenta (45%)

Yellow (0%)

Black (4%)



Cyan (20%)


Magenta (47%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9271, 36.6783, 91.6369 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 49.9271, 36.6783, 91.6369 by changing the saturation by 10% instead.


 49.9271, 36.6783,
91.6369

 49.9271, 36.6783,
91.6369


376.8375,
331.9156, 554.0483


 35.5730, 24.9585,
68.7577


 89.2593, 70.0777,
151.5654

 24.2732, 16.0461,
50.0439


 114.9682, 92.5262,
189.4518

 15.6622, 9.5568,
35.0769


 145.1927,
119.3196, 233.1776

 9.3748, 5.1061,
23.4381

180.2982,
150.8424, 283.1615

 5.0455, 2.3097,
14.7090

220.6501,
187.4791, 339.8220

 2.3090, 0.7788,
8.4710

266.6137,

 0.7993, 0.0000,

229.6139, 403.5776

4.3057

318.5544,
277.6313, 474.8468

■ 0.0000, 0.0000,
1.7945

■ 0.0000, 0.0000,
0.4243

■ 49.9271, 36.6783,
91.6369

■ 49.9271, 36.6783,
91.6369

■ 44.3673, 29.2928,
90.5050

■ 56.4420, 45.7347,
93.0422

■ 39.7003, 23.4615,
89.6254

■ 63.9607, 56.5591,
94.7352

■ 35.8621, 19.0594,
88.9780

■ 72.5334, 69.2463,
96.7323

■ 32.7768, 15.9393,
88.5384

■ 82.2052, 83.8830,
99.0477

■ 30.3518, 13.9205,
88.2765

■ 92.0526, 98.6183,
101.3729

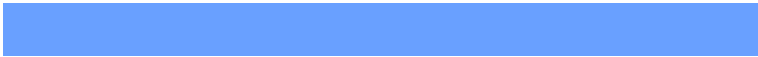
■ 29.3423, 13.2049,
88.1916

■ 93.6347, 99.4339,
101.4469

Harmonies

Analogous

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



39.9378, 36.6783, 118.0654



49.9271, 36.6783, 91.6369



56.4010, 36.6783, 55.6953

Triad

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



49.9271, 36.6783, 91.6369



40.0002, 36.6783, 7.2087



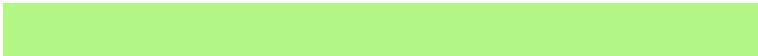
19.6404, 36.6783, 55.4918

Complementary

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



49.9271, 36.6783, 91.6369



55.6901, 77.1266, 34.8749

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.



19.6508, 36.6783, 27.4717



49.9271, 36.6783, 91.6369



30.2349, 36.6783, 7.1947

Square

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



49.9271, 36.6783, 91.6369



49.9801, 36.6783, 12.6701



23.1798, 36.6783, 12.6146



23.1481, 36.6783, 91.4292

Rectangle

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



49.9271, 36.6783, 91.6369



57.2048, 36.6783, 35.4934



23.1798, 36.6783, 12.6146



19.2574, 36.6783, 44.7355

Sweetspot

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



49.9284, 36.6798, 91.6377



79.7937, 76.7705, 105.2203



42.8279, 44.2070, 93.4649



16.6214, 15.7467, 22.4133



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.



49.9284, 36.6798, 91.6377



48.7107, 32.5214, 98.3177



61.6519, 42.9145, 83.5562



16.5558, 16.4292, 20.8411



15.8233, 7.1315, 47.0806



1.5055, 0.6860, 4.1433

Inverse Universe

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



54.7070, 40.1365, 46.9845



54.9530, 36.9793, 42.5912



48.1447, 73.1417, 38.8168



16.7649, 16.5888, 18.5083



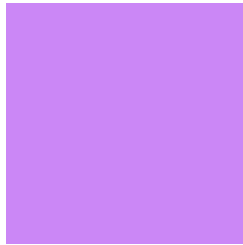
21.4595, 10.9272, 7.1281



1.9348, 0.9799, 0.8831

Previews

White Background



This preview shows how the XYZ color 49.9271, 36.6783, 91.6369 looks on a white background.

Color Contrast Check

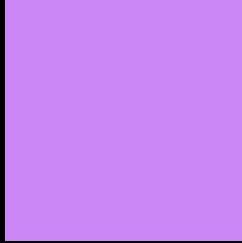
Large Text (above 18pt) WCAG AA × Fail

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 49.9271, 36.6783, 91.6369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

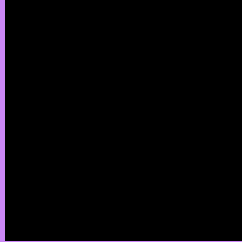
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9271, 36.6783, 91.6369

Background



This preview shows how black text looks on a background with the XYZ color 49.9271, 36.6783, 91.6369.

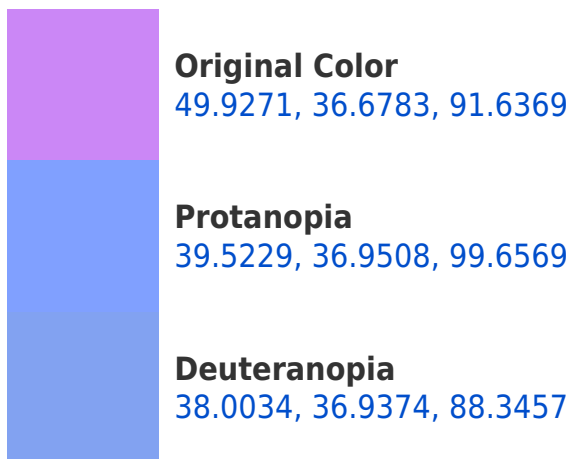


This preview shows how white text looks on a background with the XYZ color 49.9271, 36.6783,

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





Tritanopia

39.4180, 36.4462, 40.5546

Trichromacy



Original Color

49.9271, 36.6783, 91.6369



Protanomaly

42.1549, 36.1301, 96.8475



Deuteranomaly

41.3105, 36.0956, 89.5839



Tritanomaly

42.5222, 36.0549, 55.7571

Monochromacy



Original Color

49.9271, 36.6783, 91.6369



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.9083, 37.5862, 57.3233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9271, 36.6783, 91.6369 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(203, 135, 246)` looks like.

```
.text, #text, p{  
    color:rgb(203, 135, 246)  
}
```

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(203, 135, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 135, 246) }
```

Border

The CSS property to change the border of an element to XYZ 49.9271, 36.6783, 91.6369 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(203, 135, 246) }
```


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

```
.border{ border-color:rgb(203, 135, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 135, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 135, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 135, 246);  
box-shadow:4px 4px 4px 4px rgb(203, 135,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9271, 36.6783, 91.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 135, 246) }
```

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

```
.background{ background-color: rgb(203,  
135, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor