

Converting Colors

XYZ(21.9619, 10.5297, 36.8308)

Have a look what the booklet for
XYZ(21.9619, 10.5297, 36.8308)
contains.

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Color

**XYZ(21.9872, 10.5397,
36.9519)**

Conversions

Conversions Part 1

Format	Color
Hex	A300A6
RGB	163, 0, 166
RGB Percent	64%, 0%, 65%
CMY	0.3608, 0.9999, 0.3490
CMYK	0.02, 1.00, 0.00, 0.35
HSL	299°, 100%, 33%
HSV	299°, 100%, 65%
XYZ	21.9872, 10.5397, 36.9519
YIQ	67.6610, 43.8620, 86.1820

Conversions

Conversions Part 2

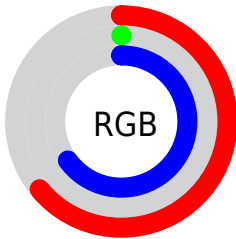
Format	Color
RYB	163, 0, 166
Decimal	10682534
CIELab	38.79, 70.75, -45.03
CIElCh	39, 83.869, 327.525
Yxy	10.5397, 0.3165, 0.1517
Android (android.graphics.Color)	4288872614 (0xFFA300A6)
YUV	67.6610, 48.4811, 83.6123
Hunter-Lab	32.4649, 64.0774, -44.7591

Details

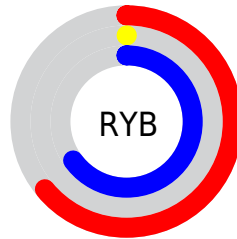
The XYZ color **21.9872, 10.5397, 36.9519** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.6741, 27.2920, 4.5476**, and the grayscale version is **5.3619, 5.6411, 6.1432**.

A 20% lighter version of the original color is **46.3263, 26.8381, 71.8458**, and **8.9245, 4.2564, 15.9740** is the 20% darker color. If you saturate the color by 10%, you get **21.9874, 10.5398, 36.9521**, and if you desaturate by 10%, it is **22.2435, 10.9606, 37.0198**.

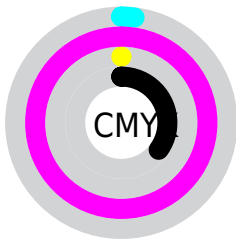
Distribution



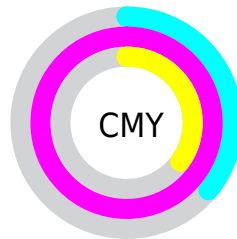
- Red (64%)
- Green (0%)
- Blue (65%)



- Red (64%)
- Yellow (0%)
- Blue (65%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9872, 10.5397, 36.9519 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 21.9872, 10.5397, 36.9519 by changing the saturation by 10% instead.

■ 21.9872, 10.5397,
36.9519

■ 21.9872, 10.5397,
36.9519

255.1130,
194.4818, 348.2646

■ 13.9640, 5.7582,
24.8748

■ 46.2039, 26.8058,
71.6843

■ 8.1772, 2.6986,
15.7656

■ 63.1281, 39.0592,
95.1766

■ 4.2613, 0.9765,
9.2059

■ 83.7500, 54.5721,
123.3111

■ 1.8510, 0.0000,
4.7771

■ 108.4350, 73.7288,
156.5063

■ 0.5481, 0.0000,
2.0606

■ 137.5485, 96.9137,
195.1807

■ 0.0000, 0.0000,
0.5922

■ 171.4557,

■ 0.0000, 0.0000,

124.5112, 239.7529

0.0000

210.5221,
156.9058, 290.6413

■ 21.9872, 10.5397,
36.9519

■ 21.9872, 10.5397,
36.9519

■ 21.9874, 10.5398,
36.9521

■ 22.2435, 10.9606,
37.0198

■ 22.6605, 11.7030,
37.1411

■ 23.3051, 12.9007,
37.3383

■ 24.2069, 14.6123,
37.6211

■ 25.3909, 16.8880,
37.9980

■ 26.8790, 19.7720,
38.4762

■ 28.6913, 23.3039,
39.0624

■ 30.8458, 27.5202,
39.7627

■ 33.3595, 32.4546,
40.5827

Harmonies

Analogous

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



15.8031, 10.5397, 65.5182



21.9872, 10.5397, 36.9519



24.9095, 10.5397, 12.8471

Triad

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



21.9872, 10.5397, 36.9519



10.4856, 10.5397, 0.0000



3.2211, 10.5397, 32.1876

Complementary

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



21.9872, 10.5397, 36.9519



13.6741, 27.2920, 4.5476

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.



2.6909, 10.5397, 10.2060



21.9872, 10.5397, 36.9519



5.8509, 10.5397, 0.0000

Square

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



21.9872, 10.5397, 36.9519



16.9098, 10.5397, 0.0000



3.4423, 10.5397, 1.6448



5.3107, 10.5397, 61.3917

Rectangle

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



21.9872, 10.5397, 36.9519



24.0293, 10.5397, 4.5137



3.4423, 10.5397, 1.6448



2.8981, 10.5397, 23.3587

Sweetspot

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



21.9876, 10.5402, 36.9521



51.8691, 41.8984, 70.8287



6.9434, 2.8737, 36.2653



11.2955, 8.7678, 15.7491



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9876, 10.5402, 36.9521



39.8842, 19.1180, 67.0633



17.5101, 8.8209, 10.1301



7.8283, 7.6596, 9.4842



17.0546, 8.1754, 28.6546



0.4190, 0.2010, 0.6974

Inverse Universe

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



15.7426, 8.1140, 0.8230



28.5625, 14.7220, 1.4487



14.9929, 27.8152, 11.6881



7.5364, 7.5444, 7.8759



12.2093, 6.2924, 0.6478



0.2987, 0.1538, 0.0245

Previews

White Background



This preview shows how the XYZ color 21.9872, 10.5397, 36.9519 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 21.9872, 10.5397, 36.9519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

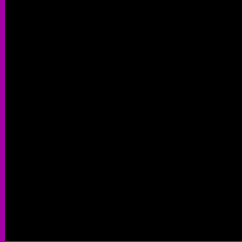
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9872, 10.5397, 36.9519

Background



This preview shows how black text looks on a background with the XYZ color 21.9872, 10.5397, 36.9519.



This preview shows how white text looks on a background with the XYZ color 21.9872, 10.5397,

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

21.9872, 10.5397, 36.9519

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.4717, 11.1626, 33.0025



Tritanopia

15.9134, 10.8857, 6.8926

Trichromacy



Original Color

21.9872, 10.5397, 36.9519



Protanomaly

11.8639, 7.3748, 45.5979



Deuteranomaly

12.4752, 8.0969, 34.1631



Tritanomaly

17.0019, 9.6533, 14.0639

Monochromacy



Original Color

21.9872, 10.5397, 36.9519



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.9561, 5.6108, 13.7077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9872, 10.5397, 36.9519 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(163, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 166)  
}
```

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(163, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.9872, 10.5397, 36.9519 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(163, 0, 166) }
```


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

```
.border{ border-color:rgb(163, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9872, 10.5397, 36.9519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 166) }
```

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

```
.background{ background-color: rgb(163, 0,  
166) }
```

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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