

Converting Colors

XYZ(21.7038, 10.4921, 32.4884)

Have a look what the booklet for
XYZ(21.7038, 10.4921, 32.4884)
contains.

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Color

**XYZ(21.7266, 10.5073,
32.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	A6009C
RGB	166, 0, 156
RGB Percent	65%, 0%, 61%
CMY	0.3490, 0.9999, 0.3882
CMYK	0.00, 1.00, 0.06, 0.35
HSL	304°, 100%, 33%
HSV	304°, 100%, 65%
XYZ	21.7266, 10.5073, 32.3355
YIQ	67.4180, 48.8600, 83.7080

Conversions

Conversions Part 2

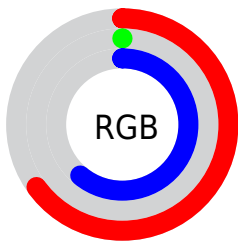
Format	Color
RYB	166, 0, 156
Decimal	10879132
CIELab	38.74, 69.78, -39.06
CIElCh	39, 79.967, 330.762
Yxy	10.5073, 0.3365, 0.1627
Android (android.graphics.Color)	4289069212 (0xFFA6009C)
YUV	67.4180, 43.6709, 86.4564
Hunter-Lab	32.4150, 62.9160, -36.4542

Details

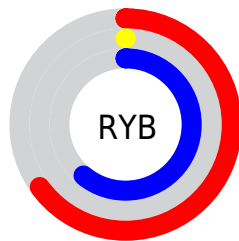
The XYZ color **21.7266, 10.5073, 32.3355** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.6915, 27.2948, 4.8346**, and the grayscale version is **5.3306, 5.6082, 6.1074**.

A 20% lighter version of the original color is **45.8265, 26.7453, 64.3750**, and **8.8054, 4.2507, 13.4531** is the 20% darker color. If you saturate the color by 10%, you get **21.7267, 10.5073, 32.3351**, and if you desaturate by 10%, it is **22.0065, 10.9306, 32.8485**.

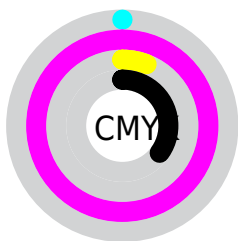
Distribution



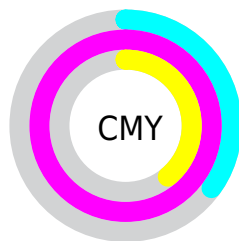
- Red (65%)
- Green (0%)
- Blue (61%)



- Red (65%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7266, 10.5073, 32.3355 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 21.7266, 10.5073, 32.3355 by changing the saturation by 10% instead.


 21.7266, 10.5073,
32.3355


 21.7266, 10.5073,
32.3355


253.7745,
194.2554, 327.1844


 13.7716, 5.7366,
21.3509


 45.7759, 26.7454,
64.4407

 8.0426, 2.6856,
13.1870


 62.6010, 38.9816,
86.3984


 4.1743, 0.9699,
7.4252


 83.1135, 54.4751,
112.8509

 1.8012, 0.0000,
3.6470

 107.6787, 73.6102,
144.2168

 0.5184, 0.0000,
1.4337

 136.6621, 96.7714,
180.9145

 0.0000, 0.0000,
0.1678

 170.4289,

 0.0000, 0.0000,

124.3431, 223.3627

0.0000

209.3446,
156.7096, 271.9798

■ 21.7266, 10.5073,
32.3355

■ 21.7266, 10.5073,
32.3355

■ 21.7267, 10.5073,
32.3351

■ 22.0065, 10.9306,
32.8485

■ 22.4476, 11.6757,
33.4185

■ 23.1170, 12.8762,
34.0682

■ 24.0441, 14.5909,
34.8072

■ 25.2540, 16.8700,
35.6439

■ 26.7686, 19.7575,
36.5857

■ 28.6079, 23.2932,
37.6392

■ 30.7900, 27.5135,
38.8105

■ 33.3318, 32.4520,
40.1052

Harmonies

Analogous

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



16.1330, 10.5073, 59.0423



21.7266, 10.5073, 32.3355



23.9703, 10.5073, 11.0584

Triad

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



21.7266, 10.5073, 32.3355



9.8525, 10.5073, 0.0000



3.5557, 10.5073, 33.6926

Complementary

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



21.7266, 10.5073, 32.3355



13.6915, 27.2948, 4.8346

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.



2.8856, 10.5073, 11.8316



21.7266, 10.5073, 32.3355



5.6415, 10.5073, 0.0000

Square

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



21.7266, 10.5073, 32.3355



15.8132, 10.5073, 0.0000



3.4883, 10.5073, 2.3037



5.8027, 10.5073, 60.2044

Rectangle

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



21.7266, 10.5073, 32.3355



22.8091, 10.5073, 3.9181



3.4883, 10.5073, 2.3037



3.1830, 10.5073, 25.1561

Sweetspot

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



21.7270, 10.5078, 32.3357



51.7136, 41.8763, 68.1965



6.9873, 2.8073, 36.2503



11.2563, 8.7622, 15.0830



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.



21.7270, 10.5078, 32.3357



39.4030, 19.0582, 58.5344



16.9864, 8.6116, 7.3719



7.8221, 7.6587, 9.3804



16.8541, 8.1503, 25.1068



0.4157, 0.2006, 0.6406

Inverse Universe

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



21.7270, 10.5078, 32.3357



39.4030, 19.0582, 58.5344



15.5383, 28.0335, 14.5597



7.8221, 7.6587, 9.3804



16.8541, 8.1503, 25.1068



0.4157, 0.2006, 0.6406

Previews

White Background



This preview shows how the XYZ color 21.7266, 10.5073, 32.3355 looks on a white background.

Color Contrast Check

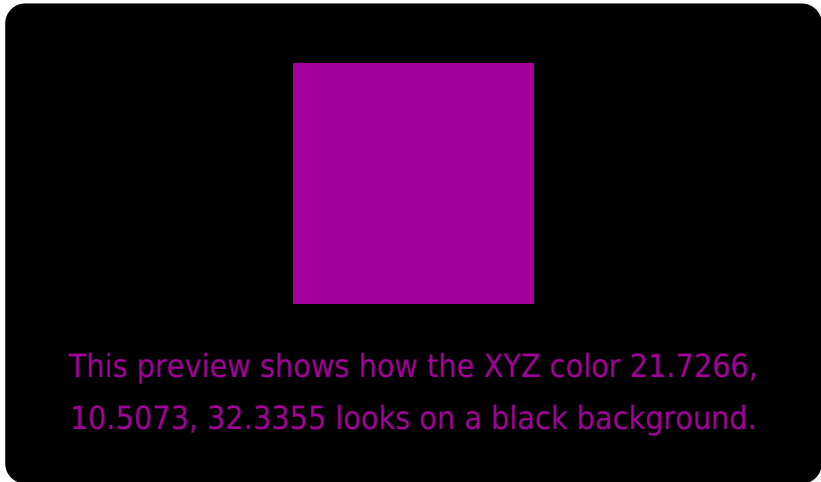
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

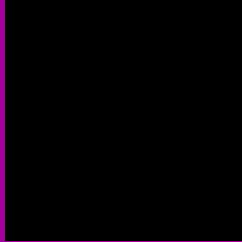
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7266, 10.5073, 32.3355

Background



This preview shows how black text looks on a background with the XYZ color 21.7266, 10.5073, 32.3355.



This preview shows how white text looks on a background with the XYZ color 21.7266, 10.5073,

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

21.7266, 10.5073, 32.3355

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.5159, 11.2702, 29.1722



Tritanopia

16.5275, 10.8872, 6.2314

Trichromacy



Original Color

21.7266, 10.5073, 32.3355



Protanomaly

11.5132, 7.2414, 43.4388



Deuteranomaly

12.6004, 8.2585, 29.7841



Tritanomaly

17.4273, 9.8065, 12.5296

Monochromacy



Original Color

21.7266, 10.5073, 32.3355



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.7095, 5.5122, 12.4093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7266, 10.5073, 32.3355 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(166, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 156)  
}
```

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(166, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.7266, 10.5073, 32.3355 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(166, 0, 156) }
```


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

```
.border{ border-color:rgb(166, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7266, 10.5073, 32.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 156) }
```

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

```
.background{ background-color: rgb(166, 0,  
156) }
```

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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