

Converting Colors

XYZ(21.8069, 10.5333, 33.0314)

Have a look what the booklet for
XYZ(21.8069, 10.5333, 33.0314)
contains.

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Color

**XYZ(21.8974, 10.5756,
33.2349)**

Conversions

Conversions Part 1

Format	Color
Hex	A6009E
RGB	166, 0, 158
RGB Percent	65%, 0%, 62%
CMY	0.3490, 0.9999, 0.3804
CMYK	0.00, 1.00, 0.05, 0.35
HSL	303°, 100%, 33%
HSV	303°, 100%, 65%
XYZ	21.8974, 10.5756, 33.2349
YIQ	67.6460, 48.2180, 84.3300

Conversions

Conversions Part 2

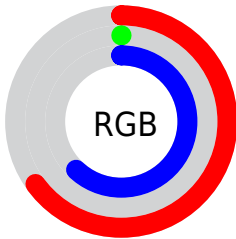
Format	Color
RYB	166, 0, 158
Decimal	10879134
CIELab	38.86, 70.07, -40.08
CIElCh	39, 80.722, 330.229
Yxy	10.5756, 0.3333, 0.1609
Android (android.graphics.Color)	4289069214 (0xFFA6009E)
YUV	67.6460, 44.5445, 86.2565
Hunter-Lab	32.5201, 63.2825, -37.8290

Details

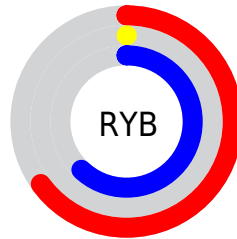
The XYZ color **21.8974, 10.5756, 33.2349** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.6805, 27.2904, 4.7768**, and the grayscale version is **5.3653, 5.6447, 6.1471**.

A 20% lighter version of the original color is **46.0789, 26.8462, 65.7040**, and **8.9082, 4.2918, 13.9946** is the 20% darker color. If you saturate the color by 10%, you get **21.8975, 10.5757, 33.2346**, and if you desaturate by 10%, it is **22.1613, 10.9925, 33.6639**.

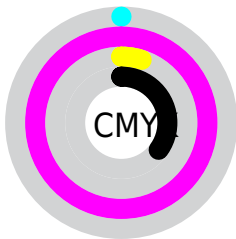
Distribution



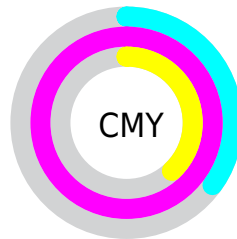
- Red (65%)
- Green (0%)
- Blue (62%)



- Red (65%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8974, 10.5756, 33.2349 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 21.8974, 10.5756, 33.2349 by changing the saturation by 10% instead.


 21.8974, 10.5756,
33.2349


 21.8974, 10.5756,
33.2349


254.6525,
194.7323, 331.3713


 13.8977, 5.7822,
22.0339


 46.0565, 26.8727,
65.8623


 8.1308, 2.7131,
13.6832


 62.9466, 39.1451,
88.1258


 4.2313, 0.9839,
7.7645


 83.5309, 54.6795,
114.9138

 1.8338, 0.0000,
3.8590

 108.1747, 73.8600,
146.6450

 0.5379, 0.0000,
1.5483

 137.2434, 97.0712,
183.7377

 0.0000, 0.0000,
0.2535

 171.1024,

 0.0000, 0.0000,

124.6973, 226.6107

0.0000

210.1169,
157.1229, 275.6824

■ 21.8974, 10.5756,
33.2349

■ 21.8974, 10.5756,
33.2349

■ 21.8975, 10.5757,
33.2346

■ 22.1613, 10.9925,
33.6639

■ 22.5863, 11.7311,
34.1487

■ 23.2392, 12.9249,
34.7117

■ 24.1496, 14.6329,
35.3627

■ 25.3424, 16.9052,
36.1102

■ 26.8398, 19.7857,
36.9614

■ 28.6616, 23.3144,
37.9229

■ 30.8260, 27.5276,
39.0009

■ 33.3499, 32.4589,
40.2010

Harmonies

Analogous

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



16.1766, 10.5756, 60.3921



21.8974, 10.5756, 33.2349



24.2609, 10.5756, 11.3976

Triad

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



21.8974, 10.5756, 33.2349



10.0107, 10.5756, 0.0000



3.5227, 10.5756, 33.6503

Complementary

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



21.8974, 10.5756, 33.2349



13.6805, 27.2904, 4.7768

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.



2.8717, 10.5756, 11.6333



21.8974, 10.5756, 33.2349



5.7086, 10.5756, 0.0000

Square

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



21.8974, 10.5756, 33.2349



16.0790, 10.5756, 0.0000



3.5022, 10.5756, 2.2031



5.7576, 10.5756, 60.7484

Rectangle

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



21.8974, 10.5756, 33.2349



23.1363, 10.5756, 4.0330



3.5022, 10.5756, 2.2031



3.1560, 10.5756, 25.0140

Sweetspot

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



21.8978, 10.5761, 33.2351



51.8132, 41.9162, 68.7211



6.9527, 2.7894, 36.2487



11.2815, 8.7723, 15.2156



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.



21.8978, 10.5761, 33.2351



39.7184, 19.1844, 60.1949



17.0827, 8.6501, 7.8791



7.8261, 7.6603, 9.4012



16.9854, 8.2029, 25.7982



0.4178, 0.2014, 0.6518

Inverse Universe

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



21.8978, 10.5761, 33.2351



39.7184, 19.1844, 60.1949



15.4206, 27.9864, 13.9399



7.8261, 7.6603, 9.4012



16.9854, 8.2029, 25.7982



0.4178, 0.2014, 0.6518

Previews

White Background



This preview shows how the XYZ color 21.8974, 10.5756, 33.2349 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

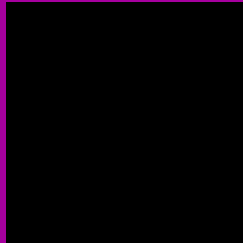
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8974, 10.5756, 33.2349

Background



This preview shows how black text looks on a background with the XYZ color 21.8974, 10.5756, 33.2349.



This preview shows how white text looks on a background with the XYZ color 21.8974, 10.5756,

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

21.8974, 10.5756, 33.2349

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.4624, 11.2335, 29.5811



Tritanopia

16.6106, 11.0067, 6.4033

Trichromacy



Original Color

21.8974, 10.5756, 33.2349



Protanomaly

11.6148, 7.2821, 43.9734



Deuteranomaly

12.6502, 8.2654, 30.6344



Tritanomaly

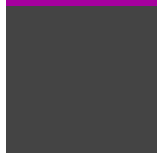
17.4749, 9.8255, 12.7799

Monochromacy



Original Color

21.8974, 10.5756, 33.2349



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.9218, 5.6104, 12.9246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8974, 10.5756, 33.2349 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.8974, 10.5756, 33.2349 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, 158) }
```


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

```
.border{ border-color:rgb(166, 0, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8974, 10.5756, 33.2349 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, 158) }
```

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

```
.background{ background-color: rgb(166, 0,  
158) }
```

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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