

Converting Colors

XYZ(21.8372, 10.6077, 30.3787)

Have a look what the booklet for
XYZ(21.8372, 10.6077, 30.3787)
contains.

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Color

**XYZ(21.7344, 10.5592,
30.1708)**

Conversions

Conversions Part 1

Format	Color
Hex	A80097
RGB	168, 0, 151
RGB Percent	66%, 0%, 59%
CMY	0.3412, 0.9999, 0.4078
CMYK	0.00, 1.00, 0.10, 0.34
HSL	306°, 100%, 33%
HSV	306°, 100%, 66%
XYZ	21.7344, 10.5592, 30.1708
YIQ	67.4460, 51.6570, 82.5770

Conversions

Conversions Part 2

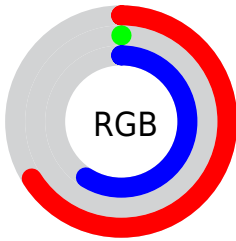
Format	Color
R_{YB}	168, 0, 151
Decimal	11010199
CIE _{Lab}	38.83, 69.43, -35.86
CIE _{LCh}	39, 78.140, 332.685
Yxy	10.5592, 0.3479, 0.1690
Android (android.graphics.Color)	4289200279 (0xFFA80097)
YUV	67.4460, 41.1921, 88.1859
Hunter-Lab	32.4949, 62.5245, -32.3030

Details

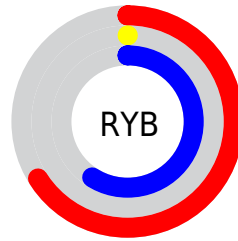
The XYZ color **21.7344, 10.5592, 30.1708** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.1044, 28.0463, 5.2012**, and the grayscale version is **5.3384, 5.6164, 6.1163**.

A 20% lighter version of the original color is **45.8364, 26.8217, 61.1538**, and **8.8077, 4.2804, 12.1664** is the 20% darker color. If you saturate the color by 10%, you get **21.7344, 10.5592, 30.1701**, and if you desaturate by 10%, it is **22.0714, 11.0103, 30.9694**.

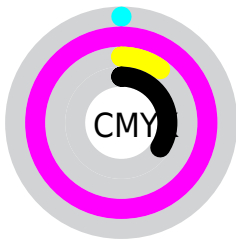
Distribution



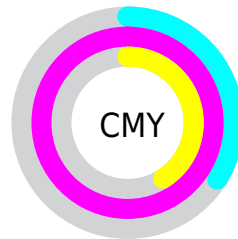
- Red (66%)
- Green (0%)
- Blue (59%)



- Red (66%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7344, 10.5592, 30.1708 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 21.7344, 10.5592, 30.1708 by changing the saturation by 10% instead.

■ 21.7344, 10.5592,
30.1708

■ 21.7344, 10.5592,
30.1708

253.8146,
194.6179, 316.9318

■ 13.7774, 5.7713,
19.7151

■ 45.7888, 26.8421,
60.9964

■ 8.0467, 2.7065,
12.0061

■ 62.6168, 39.1059,
82.2034

■ 4.1769, 0.9805,
6.6253

■ 83.1326, 54.6304,
107.8312

■ 1.8027, 0.0000,
3.1540

■ 107.7014, 73.8001,
138.2984

■ 0.5193, 0.0000,
1.1738

■ 136.6887, 96.9992,
174.0235

■ 0.0000, 0.0000,
0.0000

■ 170.4597,

124.6124, 215.4251

209.3799,
157.0238, 262.9217

■ 21.7344, 10.5592,
30.1708

■ 21.7344, 10.5592,
30.1708

■ 21.7344, 10.5592,
30.1701

■ 22.0714, 11.0103,
30.9694

■ 22.5760, 11.7938,
31.8337

■ 23.3166, 13.0459,
32.7866

■ 24.3233, 14.8272,
33.8381

■ 25.6221, 17.1893,
34.9970

■ 27.2357, 20.1776,
36.2708

■ 29.1845, 23.8332,
37.6664

■ 31.4873, 28.1935,
39.1902

■ 34.1614, 33.2933,
40.8478

Harmonies

Analogous

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



16.4293, 10.5592, 56.0603



21.7344, 10.5592, 30.1708



23.6266, 10.5592, 10.2127

Triad

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



21.7344, 10.5592, 30.1708



9.5771, 10.5592, 0.0000



3.7728, 10.5592, 34.7891

Complementary

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



21.7344, 10.5592, 30.1708



14.1044, 28.0463, 5.2012

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.



3.0147, 10.5592, 12.8851



21.7344, 10.5592, 30.1708



5.5630, 10.5592, 0.0823

Square

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



21.7344, 10.5592, 30.1708



15.3327, 10.5592, 0.0000



3.5350, 10.5592, 2.7491



6.1260, 10.5592, 59.9889

Rectangle

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



21.7344, 10.5592, 30.1708



22.3084, 10.5592, 3.6344



3.5350, 10.5592, 2.7491



3.3682, 10.5592, 26.3707

Sweetspot

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



21.7348, 10.5597, 30.1710



52.7435, 42.8423, 68.2022



7.2961, 2.9451, 37.2302



11.1717, 8.7284, 14.6377



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.



21.7348, 10.5597, 30.1710



39.3939, 19.1427, 54.5055



17.1683, 8.7331, 6.1243



7.8087, 7.6533, 9.3098



16.4236, 7.9781, 22.8399



0.4086, 0.1977, 0.6034

Inverse Universe

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



21.7348, 10.5597, 30.1710



39.3939, 19.1427, 54.5055



16.3426, 28.9416, 16.9876



7.8087, 7.6533, 9.3098



16.4236, 7.9781, 22.8399



0.4086, 0.1977, 0.6034

Previews

White Background



This preview shows how the XYZ color 21.7344, 10.5592, 30.1708 looks on a white background.

Color Contrast Check

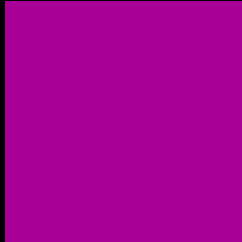
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7344, 10.5592, 30.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

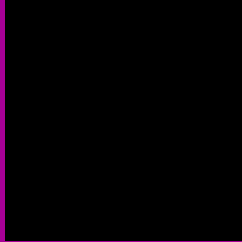
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7344, 10.5592, 30.1708

Background



This preview shows how black text looks on a background with the XYZ color 21.7344, 10.5592, 30.1708.



This preview shows how white text looks on a background with the XYZ color 21.7344, 10.5592,

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

21.7344, 10.5592, 30.1708

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.5577, 11.3361, 27.1701



Tritanopia

16.9584, 10.9604, 5.9244

Trichromacy



Original Color

21.7344, 10.5592, 30.1708



Protanomaly

11.3733, 7.1925, 42.3838



Deuteranomaly

12.7901, 8.4019, 27.7357



Tritanomaly

17.8629, 9.9990, 11.8150

Monochromacy



Original Color

21.7344, 10.5592, 30.1708



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.7774, 5.5527, 12.1644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7344, 10.5592, 30.1708 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(168, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 151)  
}
```

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(168, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.7344, 10.5592, 30.1708 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(168, 0, 151) }
```


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

```
.border{ border-color:rgb(168, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7344, 10.5592, 30.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 151) }
```

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

```
.background{ background-color: rgb(168, 0,  
151) }
```

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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