

Converting Colors

XYZ(21.9572, 10.7375, 33.3780)

Have a look what the booklet for
XYZ(21.9572, 10.7375, 33.3780)
contains.

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Color

**XYZ(21.9843, 10.7493,
33.2639)**

Conversions

Conversions Part 1

Format	Color
Hex	A6089E
RGB	166, 8, 158
RGB Percent	65%, 3%, 62%
CMY	0.3490, 0.9686, 0.3804
CMYK	0.00, 0.95, 0.05, 0.35
HSL	303°, 91%, 34%
HSV	303°, 95%, 65%
XYZ	21.9843, 10.7493, 33.2639
YIQ	72.3420, 46.0180, 80.1460

Conversions

Conversions Part 2

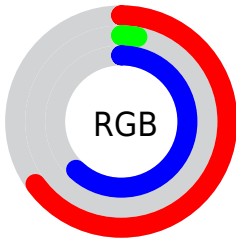
Format	Color
R_{YB}	166, 8, 158
Decimal	10881182
CIE _{Lab}	39.15, 69.19, -39.61
CIE _{LCh}	39, 79.719, 330.211
Yxy	10.7493, 0.3331, 0.1629
Android (android.graphics.Color)	4289071262 (0xFFA6089E)
YUV	72.3420, 42.2294, 82.1381
Hunter-Lab	32.7861, 62.3151, -37.2037

Details

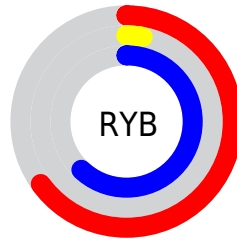
The XYZ color **21.9843, 10.7493, 33.2639** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.8305, 27.3620, 5.0434**, and the grayscale version is **6.1444, 6.4644, 7.0397**.

A 20% lighter version of the original color is **46.3101, 27.3086, 65.7811**, and **8.9082, 4.2918, 13.9946** is the 20% darker color. If you saturate the color by 10%, you get **21.8628, 10.5618, 33.0513**, and if you desaturate by 10%, it is **22.3099, 11.2839, 33.7308**.

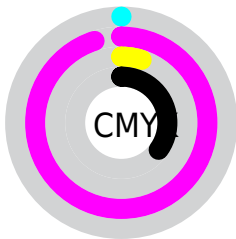
Distribution



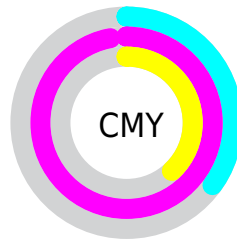
- Red (65%)
- Green (3%)
- Blue (62%)



- Red (65%)
- Yellow (3%)
- Blue (62%)



- Cyan (0%)
- Magenta (95%)
- Yellow (5%)
- Black (35%)





- Cyan (35%)
- Magenta (97%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9843, 10.7493, 33.2639 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 21.9843, 10.7493, 33.2639 by changing the saturation by 10% instead.


 21.9843, 10.7493,
33.2639


 21.9843, 10.7493,
33.2639


255.0982,
195.9394, 331.5056


 13.9619, 5.8985,
22.0559


 46.1991, 27.1956,
65.9081


 8.1757, 2.7835,
13.6993


 63.1222, 39.5600,
88.1813


 4.2603, 1.0198,
7.7755


 83.7429, 55.1976,
114.9801

 1.8504, 0.0000,
3.8659

 108.4266, 74.4930,
146.7230

 0.5478, 0.0000,
1.5521

 137.5386, 97.8305,
183.8284

 0.0000, 0.0000,
0.2563

 171.4443,

 0.0000, 0.0000,

125.5944, 226.7149

0.0000

210.5091,
158.1693, 275.8012

■ 21.9843, 10.7493,
33.2639

■ 21.9843, 10.7493,
33.2639

■ 21.8628, 10.5618,
33.0513

■ 22.3099, 11.2839,
33.7308

■ 22.8440, 12.2351,
34.2695

■ 23.6210, 13.6714,
34.8917

■ 24.6681, 15.6469,
35.6063

■ 26.0086, 18.2085,
36.4212

■ 27.6635, 21.3981,
37.3434

■ 29.6518, 25.2537,
38.3792

■ 31.9910, 29.8104,
39.5345

■ 34.6975, 35.1007,
40.8146

Harmonies

Analogous

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



16.3103, 10.7493, 60.0197



21.9843, 10.7493, 33.2639



24.3264, 10.7493, 11.5962

Triad

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



21.9843, 10.7493, 33.2639



10.1791, 10.7493, 0.0000



3.6601, 10.7493, 33.6418

Complementary

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



21.9843, 10.7493, 33.2639



13.8305, 27.3620, 5.0434

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.



3.0002, 10.7493, 11.8128



21.9843, 10.7493, 33.2639



5.8687, 10.7493, 0.0000

Square

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



21.9843, 10.7493, 33.2639



16.2210, 10.7493, 0.0000



3.6411, 10.7493, 2.3254



5.9141, 10.7493, 60.3425

Rectangle

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



21.9843, 10.7493, 33.2639



23.2155, 10.7493, 4.1958



3.6411, 10.7493, 2.3254



3.2885, 10.7493, 25.1028

Sweetspot

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



21.9847, 10.7498, 33.2641



52.1612, 42.6221, 68.8063



7.1824, 3.0367, 36.2845



11.3487, 8.9103, 15.2273



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.



21.9847, 10.7498, 33.2641



39.6540, 19.1586, 59.8561



17.2285, 8.8473, 8.2180



7.8253, 7.6600, 9.3970



16.9586, 8.1921, 25.6571



0.4174, 0.2012, 0.6495

Inverse Universe

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



21.9847, 10.7498, 33.2641



39.6540, 19.1586, 59.8561



15.7982, 28.1491, 15.4055



7.8253, 7.6600, 9.3970



16.9586, 8.1921, 25.6571



0.4174, 0.2012, 0.6495

Previews

White Background



This preview shows how the XYZ color 21.9843, 10.7493, 33.2639 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 21.9843, 10.7493, 33.2639 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 21.9843, 10.7493, 33.2639

Background



This preview shows how black text looks on a background with the XYZ color 21.9843, 10.7493, 33.2639.



This preview shows how white text looks on a background with the XYZ color 21.9843, 10.7493,

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

21.9843, 10.7493, 33.2639

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.4624, 11.2335, 29.5811



Tritanopia

16.6106, 11.0067, 6.4033

Trichromacy



Original Color

21.9843, 10.7493, 33.2639



Protanomaly

11.7704, 7.5934, 44.0253



Deuteranomaly

12.8118, 8.5887, 30.6883



Tritanomaly

17.5773, 10.0304, 12.8140

Monochromacy



Original Color

21.9843, 10.7493, 33.2639



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

9.4904, 6.2401, 13.5362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9843, 10.7493, 33.2639 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, 8, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 8, 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, 8, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 8, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.9843, 10.7493, 33.2639 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, 8, 158) }
```


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

```
.border{ border-color:rgb(166, 8, 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, 8, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 8, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 8, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 8,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9843, 10.7493, 33.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 8, 158) }
```

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

```
.background{ background-color: rgb(166, 8,  
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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