

Converting Colors

XYZ(21.1057, 10.4433, 20.7344)

Have a look what the booklet for
XYZ(21.1057, 10.4433, 20.7344)
contains.

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Color

**XYZ(20.9995, 10.3906,
20.6375)**

Conversions

Conversions Part 1

Format	Color
Hex	AD007E
RGB	173, 0, 126
RGB Percent	68%, 0%, 49%
CMY	0.3216, 0.9999, 0.5059
CMYK	0.00, 1.00, 0.27, 0.32
HSL	316°, 100%, 34%
HSV	316°, 100%, 68%
XYZ	20.9995, 10.3906, 20.6375
YIQ	66.0910, 62.6620, 75.8620

Conversions

Conversions Part 2

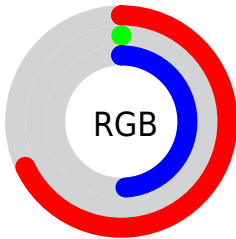
Format	Color
RYB	173, 0, 126
Decimal	11337854
CIELab	38.53, 67.21, -20.86
CIELCh	39, 70.369, 342.757
Yxy	10.3906, 0.4036, 0.1997
Android (android.graphics.Color)	4289527934 (0xFFAD007E)
YUV	66.0910, 29.5351, 93.7592
Hunter-Lab	32.2345, 59.8756, -15.3952

Details

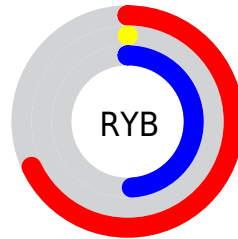
The XYZ color **20.9995, 10.3906, 20.6375** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **15.4575, 30.0929, 7.6857**, and the grayscale version is **5.1434, 5.4112, 5.8928**.

A 20% lighter version of the original color is **44.4327, 26.4451, 45.4104**, and **8.4098, 4.1807, 7.3849** is the 20% darker color. If you saturate the color by 10%, you get **20.9992, 10.3905, 20.6354**, and if you desaturate by 10%, it is **21.5157, 10.9259, 22.3416**.

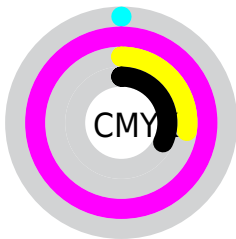
Distribution



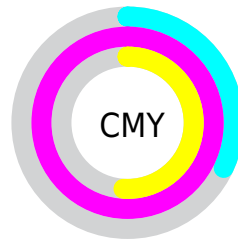
- Red (68%)
- Green (0%)
- Blue (49%)



- Red (68%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (32%)




- Cyan (32%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9995, 10.3906, 20.6375 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 20.9995, 10.3906, 20.6375 by changing the saturation by 10% instead.


 20.9995, 10.3906,
20.6375

 20.9995, 10.3906,
20.6375


250.0076,
193.4376, 268.0632


 13.2361, 5.6587,
12.6706


 44.5780, 26.5276,
45.3564

 7.6694, 2.6387,
7.0741


 61.1238, 38.7016,
62.9455


 3.9342, 0.9461,
3.4293

 81.3277, 54.1249,
84.5790

 1.6650, 0.0000,
1.3178

 105.5552, 73.1822,
110.6757

 0.4342, 0.0000,
0.0763

 134.1716, 96.2577,
141.6538

 0.0000, 0.0000,
0.0000

 167.5422,

123.7358, 177.9321

206.0324,
156.0010, 219.9290

■ 20.9995, 10.3906,
20.6375

■ 20.9995, 10.3906,
20.6375

■ 20.9992, 10.3905,
20.6354

■ 21.5157, 10.9259,
22.3416

■ 22.2252, 11.8249,
24.1813

■ 23.1994, 13.2300,
26.1814

■ 24.4712, 15.2064,
28.3538

■ 26.0686, 17.8099,
30.7087

■ 28.0161, 21.0895,
33.2552

■ 30.3359, 25.0891,
36.0015

■ 33.0484, 29.8493,
38.9551

■ 36.1724, 35.4074,
42.1234

Harmonies

Analogous

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



17.2040, 10.3906, 42.0909



20.9995, 10.3906, 20.6375



21.2981, 10.3906, 6.5805

Triad

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



20.9995, 10.3906, 20.6375



8.0441, 10.3906, 0.0000



4.6901, 10.3906, 38.8040

Complementary

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



20.9995, 10.3906, 20.6375



15.4575, 30.0929, 7.6857

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.



3.5053, 10.3906, 17.9005



20.9995, 10.3906, 20.6375



4.9954, 10.3906, 1.0343

Square

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



20.9995, 10.3906, 20.6375



12.7454, 10.3906, 0.0000



3.5962, 10.3906, 5.3307



7.4732, 10.3906, 57.0452

Rectangle

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



20.9995, 10.3906, 20.6375



19.3705, 10.3906, 2.3838



3.5962, 10.3906, 5.3307



4.1372, 10.3906, 31.3744

Sweetspot

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



20.9998, 10.3912, 20.6377



54.0888, 44.5138, 64.2027



8.6766, 3.6020, 39.7733



11.3725, 9.0118, 13.5098



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.9998, 10.3912, 20.6377



37.5138, 18.5710, 36.4589



17.6235, 9.0406, 2.8582



8.2428, 8.1104, 9.5894



15.4518, 7.6433, 15.2905



0.4512, 0.2212, 0.5376

Inverse Universe

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



20.9998, 10.3912, 20.6377



37.5138, 18.5710, 36.4589



19.1527, 31.5709, 27.1442



8.2428, 8.1104, 9.5894



15.4518, 7.6433, 15.2905



0.4512, 0.2212, 0.5376

Previews

White Background



This preview shows how the XYZ color 20.9995, 10.3906, 20.6375 looks on a white background.

Color Contrast Check

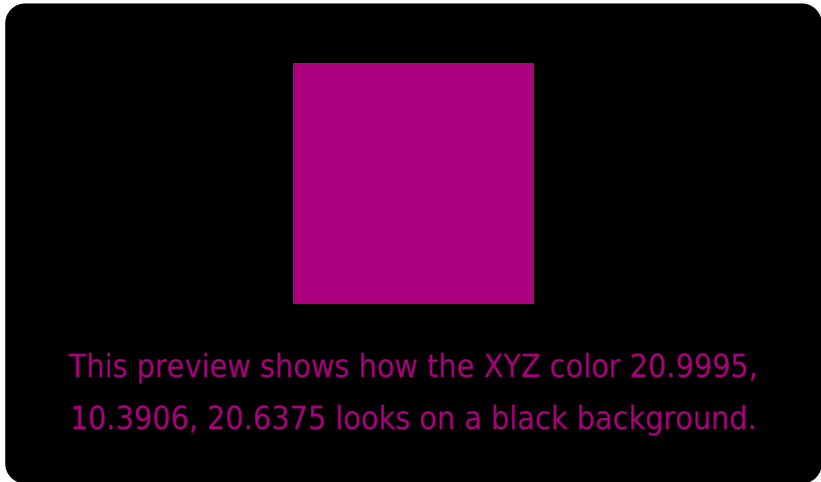
Large Text (above 18pt) WCAG AA ✓ Pass

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

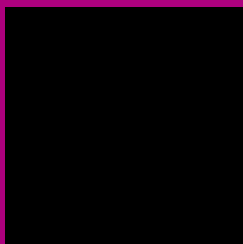
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9995, 10.3906, 20.6375

Background



This preview shows how black text looks on a background with the XYZ color 20.9995, 10.3906, 20.6375.



This preview shows how white text looks on a background with the XYZ color 20.9995, 10.3906,

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

20.9995, 10.3906, 20.6375

Protanopia

12.8740, 11.2504, 44.1408

Deuteranopia

11.3136, 11.1360, 18.6927



Tritanopia

17.9089, 10.8540, 4.3999

Trichromacy



Original Color

20.9995, 10.3906, 20.6375



Protanomaly

12.0747, 7.7378, 34.1149



Deuteranomaly

12.7609, 8.5015, 19.0575



Tritanomaly

18.5054, 10.1436, 8.3797

Monochromacy



Original Color

20.9995, 10.3906, 20.6375



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.4151, 5.3638, 9.8243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9995, 10.3906, 20.6375 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(173, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 126)  
}
```

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(173, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.9995, 10.3906, 20.6375 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(173, 0, 126) }
```


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

```
.border{ border-color:rgb(173, 0, 126) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9995, 10.3906, 20.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 126) }
```

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

```
.background{ background-color: rgb(173, 0,  
126) }
```

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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