

Converting Colors

XYZ(20.0020, 9.8736, 20.7145)

Have a look what the booklet for
XYZ(20.0020, 9.8736, 20.7145)
contains.

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Color

**XYZ(19.9143, 9.8312,
20.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	A8007E
RGB	168, 0, 126
RGB Percent	66%, 0%, 49%
CMY	0.3412, 0.9999, 0.5059
CMYK	0.00, 1.00, 0.25, 0.34
HSL	315°, 100%, 33%
HSV	315°, 100%, 66%
XYZ	19.9143, 9.8312, 20.5867
YIQ	64.5960, 59.6820, 74.8020

Conversions

Conversions Part 2

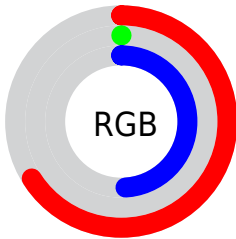
Format	Color
RYB	168, 0, 126
Decimal	11010174
CIELab	37.54, 66.20, -22.48
CIELCh	38, 69.917, 341.242
Yxy	9.8312, 0.3957, 0.1953
Android (android.graphics.Color)	4289200254 (0xFFA8007E)
YUV	64.5960, 30.2722, 90.6853
Hunter-Lab	31.3547, 58.4997, -16.9799

Details

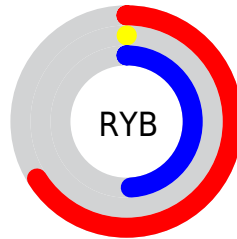
The XYZ color **19.9143, 9.8312, 20.5867** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.4213, 28.1728, 6.8706**, and the grayscale version is **4.9144, 5.1704, 5.6305**.

A 20% lighter version of the original color is **42.7577, 25.4704, 45.3105**, and **7.8951, 3.9153, 7.3608** is the 20% darker color. If you saturate the color by 10%, you get **19.9140, 9.8310, 20.5847**, and if you desaturate by 10%, it is **20.3889, 10.3374, 22.1106**.

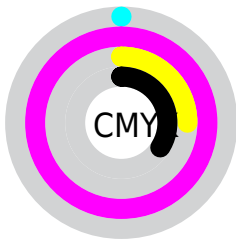
Distribution



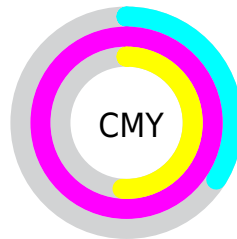
- Red (66%)
- Green (0%)
- Blue (49%)



- Red (66%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9143, 9.8312, 20.5867 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 19.9143, 9.8312, 20.5867 by changing the saturation by 10% instead.


 19.9143, 9.8312,
20.5867


 19.9143, 9.8312,
20.5867


244.2932,
189.4630, 267.7823


 12.4407, 5.2872,
12.6339


 42.7785, 25.4775,
45.2705

 7.1189, 2.4167,
7.0492


 58.8998, 37.3486,
62.8386


 3.5835, 0.8345,
3.4140

 78.6343, 52.4308,
84.4489

 1.4693, 0.0000,
1.3097

 102.3474, 71.1086,
110.5200

 0.3048, 0.0000,
0.0697

 130.4045, 93.7663,
141.4703

 0.0000, 0.0000,
0.0000

 163.1710,

120.7884, 177.7184

201.0121,
152.5591, 219.6829

■ 19.9143, 9.8312,
20.5867

■ 19.9143, 9.8312,
20.5867

■ 19.9140, 9.8310,
20.5847

■ 20.3889, 10.3374,
22.1106

■ 21.0409, 11.1800,
23.7503

■ 21.9385, 12.4950,
25.5294

■ 23.1120, 14.3431,
27.4586

■ 24.5874, 16.7760,
29.5473

■ 26.3876, 19.8392,
31.8036

■ 28.5332, 23.5736,
34.2350

■ 31.0430, 28.0169,
36.8485

■ 33.9345, 33.2037,
39.6504

Harmonies

Analogous

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



16.1362, 9.8312, 41.3899



19.9143, 9.8312, 20.5867



20.3954, 9.8312, 6.6283

Triad

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



19.9143, 9.8312, 20.5867



7.7844, 9.8312, 0.0000



4.3023, 9.8312, 36.0798

Complementary

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



19.9143, 9.8312, 20.5867



14.4213, 28.1728, 6.8706

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.



3.2442, 9.8312, 16.1811



19.9143, 9.8312, 20.5867



4.7890, 9.8312, 0.8492

Square

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



19.9143, 9.8312, 20.5867



12.3503, 9.8312, 0.0000



3.3886, 9.8312, 4.6329



6.8705, 9.8312, 54.2051

Rectangle

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



19.9143, 9.8312, 20.5867



18.6495, 9.8312, 2.3958



3.3886, 9.8312, 4.6329



3.8012, 9.8312, 28.9253

Sweetspot

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



19.9146, 9.8317, 20.5869



51.5403, 42.3611, 61.8664



8.0237, 3.3203, 37.2638



10.8777, 8.6108, 13.0896



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.



19.9146, 9.8317, 20.5869



36.0469, 17.8039, 36.8803



16.5670, 8.4927, 2.9583



7.7606, 7.6341, 9.0563



15.0595, 7.4325, 15.6567



0.3851, 0.1883, 0.4793

Inverse Universe

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



19.9146, 9.8317, 20.5869



36.0469, 17.8039, 36.8803



17.7692, 29.5119, 24.5006



7.7606, 7.6341, 9.0563



15.0595, 7.4325, 15.6567



0.3851, 0.1883, 0.4793

Previews

White Background



This preview shows how the XYZ color 19.9143, 9.8312, 20.5867 looks on a white background.

Color Contrast Check

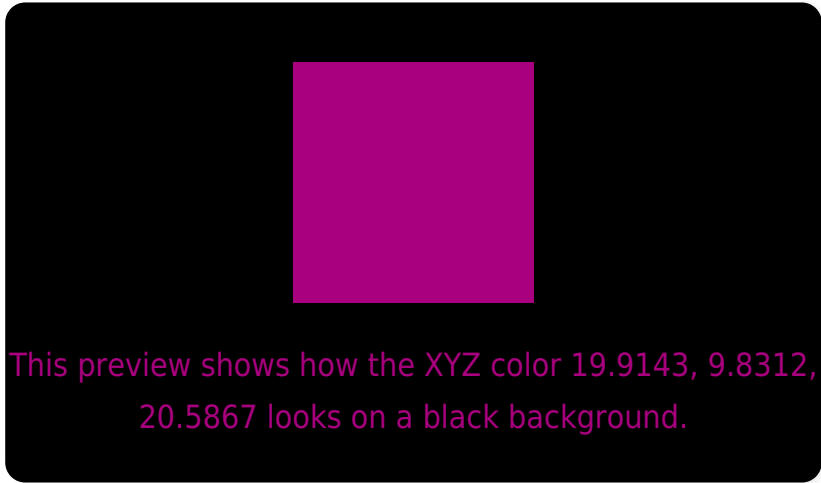
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

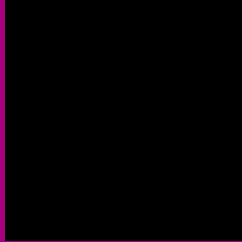
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9143, 9.8312, 20.5867

Background



This preview shows how black text looks on a background with the XYZ color 19.9143, 9.8312, 20.5867.



This preview shows how white text looks on a background with the XYZ color 19.9143, 9.8312,

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

19.9143, 9.8312, 20.5867

Protanopia

12.3195, 10.5914, 44.0429

Deuteranopia

10.6801, 10.4312, 18.5901



Tritanopia

16.6607, 10.2105, 4.3415

Trichromacy



Original Color

19.9143, 9.8312, 20.5867



Protanomaly

11.3266, 7.2054, 34.0515



Deuteranomaly

12.1168, 8.0197, 18.9985



Tritanomaly

17.2376, 9.4900, 8.3204

Monochromacy



Original Color

19.9143, 9.8312, 20.5867



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

7.9927, 5.0988, 9.5797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9143, 9.8312, 20.5867 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.9143, 9.8312, 20.5867 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, 126) }
```


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

```
.border{ border-color:rgb(168, 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(168, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9143, 9.8312, 20.5867 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, 126) }
```

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

```
.background{ background-color: rgb(168, 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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