

Converting Colors

XYZ(21.0393, 9.9415, 41.8584)

Have a look what the booklet for
XYZ(21.0393, 9.9415, 41.8584)
contains.

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Color

**XYZ(20.9733, 9.9069,
41.8811)**

Conversions

Conversions Part 1

Format	Color
Hex	9900B0
RGB	153, 0, 176
RGB Percent	60%, 0%, 69%
CMY	0.4000, 0.9999, 0.3098
CMYK	0.13, 1.00, 0.00, 0.31
HSL	292°, 100%, 35%
HSV	292°, 100%, 69%
XYZ	20.9733, 9.9069, 41.8811
YIQ	65.8110, 34.6920, 87.1720

Conversions

Conversions Part 2

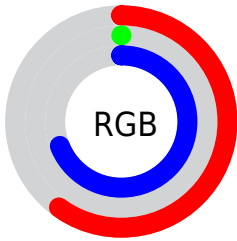
Format	Color
RYB	153, 0, 176
Decimal	10027184
CIELab	37.67, 70.79, -52.91
CIELCh	38, 88.374, 323.224
Yxy	9.9069, 0.2882, 0.1362
Android (android.graphics.Color)	4288217264 (0xFF9900B0)
YUV	65.8110, 54.3232, 76.4648
Hunter-Lab	31.4752, 63.8606, -56.8589

Details

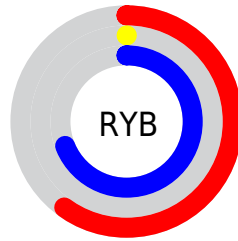
The XYZ color **20.9733, 9.9069, 41.8811** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **15.8791, 31.2331, 5.1921**, and the grayscale version is **5.0654, 5.3292, 5.8035**.

A 20% lighter version of the original color is **44.3719, 25.5599, 78.9388**, and **8.3367, 3.8919, 18.7242** is the 20% darker color. If you saturate the color by 10%, you get **20.9733, 9.9069, 41.8813**, and if you desaturate by 10%, it is **21.6221, 10.5532, 41.9718**.

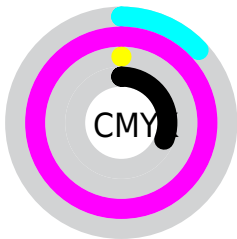
Distribution



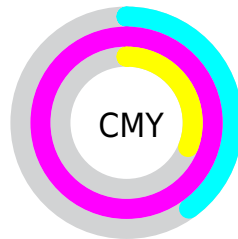
- Red (60%)
- Green (0%)
- Blue (69%)



- Red (60%)
- Yellow (0%)
- Blue (69%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (40%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9733, 9.9069, 41.8811 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 20.9733, 9.9069, 41.8811 by changing the saturation by 10% instead.


 20.9733, 9.9069,
41.8811


 20.9733, 9.9069,
41.8811


249.8710,
190.0063, 369.7749


 13.2168, 5.3373,
28.6833


 44.5347, 25.6202,
79.2878


 7.6561, 2.4465,
18.5979


 61.0704, 37.5327,
104.3338


 3.9256, 0.8496,
11.2062


 81.2631, 52.6617,
134.1663

 1.6601, 0.0000,
6.0898

 105.4783, 71.3914,
169.2038

 0.4311, 0.0000,
2.8301

 134.0814, 94.1063,
209.8649

 0.0000, 0.0000,
1.0085

 167.4376,

 0.0000, 0.0000,

121.1909, 256.5681

0.0000

205.9123,
153.0294, 309.7319

■ 20.9733, 9.9069,
41.8811

■ 20.9733, 9.9069,
41.8811

■ 20.9733, 9.9069,
41.8813

■ 21.6221, 10.5532,
41.9718

■ 22.4661, 11.5780,
42.1251

■ 23.5786, 13.1272,
42.3655

■ 24.9939, 15.2693,
42.7044

■ 26.7409, 18.0622,
43.1514

■ 28.8453, 21.5571,
43.7151

■ 31.3300, 25.7998,
44.4030

■ 34.2161, 30.8325,
45.2223

■ 37.5232, 36.6941,
46.1794

Harmonies

Analogous

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



14.3443, 9.9069, 71.3980



20.9733, 9.9069, 41.8811



24.7095, 9.9069, 14.8591

Triad

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



20.9733, 9.9069, 41.8811



10.7475, 9.9069, 0.0000



2.5737, 9.9069, 28.1379

Complementary

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



20.9733, 9.9069, 41.8811



15.8791, 31.2331, 5.1921

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.



2.2516, 9.9069, 7.5363



20.9733, 9.9069, 41.8811



5.7699, 9.9069, 0.0000

Square

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



20.9733, 9.9069, 41.8811



17.4662, 9.9069, 0.0000



3.1480, 9.9069, 0.8424



4.3209, 9.9069, 59.3007

Rectangle

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



20.9733, 9.9069, 41.8811



24.3107, 9.9069, 5.1494



3.1480, 9.9069, 0.8424



2.3338, 9.9069, 19.5133

Sweetspot

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



20.9738, 9.9073, 41.8813



56.5640, 46.3468, 80.4599



8.1526, 3.7666, 41.3718



11.8417, 9.3287, 17.3208



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.9738, 9.9073, 41.8813



37.9009, 17.8968, 75.9521



20.8000, 10.3885, 16.0844



8.7386, 8.5893, 10.7037



15.4234, 7.2869, 30.7306



0.5155, 0.2448, 0.9683

Inverse Universe

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



18.0595, 9.2923, 1.6530



32.7071, 16.8341, 2.7532



16.4665, 31.4272, 10.1299



8.5401, 8.5227, 9.0765



13.2631, 6.8228, 1.2795



0.4316, 0.2204, 0.1155

Previews

White Background



This preview shows how the XYZ color 20.9733, 9.9069, 41.8811 looks on a white background.

Color Contrast Check

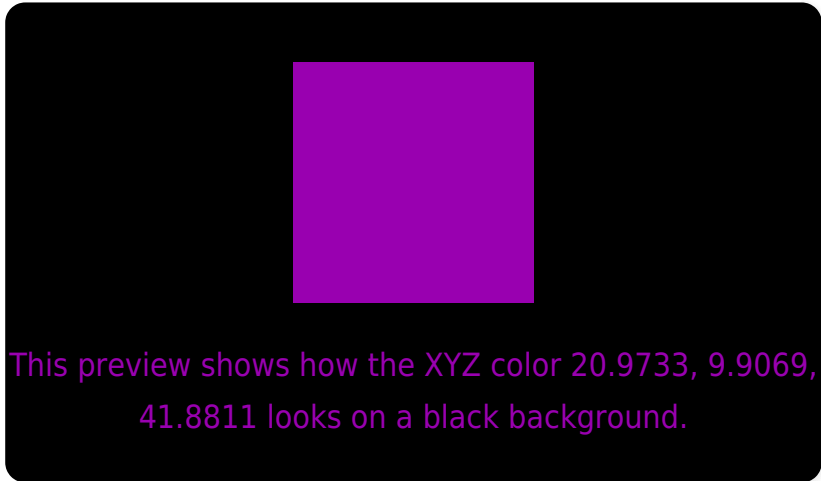
Large Text (above 18pt) WCAG AA ✓ Pass

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

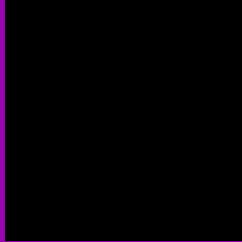
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9733, 9.9069, 41.8811

Background



This preview shows how black text looks on a background with the XYZ color 20.9733, 9.9069, 41.8811.



This preview shows how white text looks on a background with the XYZ color 20.9733, 9.9069,

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

20.9733, 9.9069, 41.8811

Protanopia

12.3526, 10.5246, 47.8348

Tritanopia

14.1794, 10.3261, 7.7244

Trichromacy



Original Color

20.9733, 9.9069, 41.8811



Protanomaly

11.4886, 7.0465, 45.0106



Tritanomaly

15.4470, 8.9688, 15.9559

Monochromacy



Original Color

20.9733, 9.9069, 41.8811



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.4665, 5.2932, 14.2111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9733, 9.9069, 41.8811 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(153, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 176)  
}
```

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(153, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.9733, 9.9069, 41.8811 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(153, 0, 176) }
```

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

```
.border{ border-color:rgb(153, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
176) }
```


Background

The CSS property to change the background color of an element to XYZ 20.9733, 9.9069, 41.8811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 176) }
```

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

```
.background{ background-color: rgb(153, 0,  
176) }
```

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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