

Converting Colors

XYZ(22.1768, 9.9189, 69.4233)

Have a look what the booklet for
XYZ(22.1768, 9.9189, 69.4233)
contains.

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Color

**XYZ(22.1044, 9.8876,
69.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	8100DD
RGB	129, 0, 221
RGB Percent	51%, 0%, 87%
CMY	0.4941, 1.0000, 0.1333
CMYK	0.42, 1.00, 0.00, 0.13
HSL	275°, 100%, 43%
HSV	275°, 100%, 87%
XYZ	22.1044, 9.8876, 69.1501
YIQ	63.7650, 5.9430, 96.0790

Conversions

Conversions Part 2

Format	Color
R_{YB}	129, 0, 221
Decimal	8454365
CIE _{Lab}	37.64, 76.27, -79.43
CIE _{LCh}	38, 110.121, 313.839
Yxy	9.8876, 0.2185, 0.0978
Android (android.graphics.Color)	4286644445 (0xFF8100DD)
YUV	63.7650, 77.5169, 57.2111
Hunter-Lab	31.4446, 70.4512, -108.3742

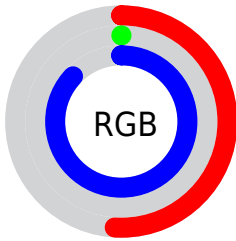
Details

The XYZ color **22.1044, 9.8876, 69.1501** is a dark color, and the websafe version is hex **6600CC**.

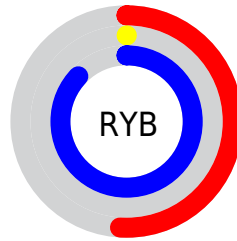
The color can be described as dark washed purple. A complement of this color would be **30.2698, 53.9882, 8.8254**, and the grayscale version is **4.7263, 4.9724, 5.4149**.

A 20% lighter version of the original color is **42.1539, 23.9045, 97.0000**, and **8.8808, 3.8042, 35.3882** is the 20% darker color. If you saturate the color by 10%, you get **22.1051, 9.8879, 69.1504**, and if you desaturate by 10%, it is **23.8550, 11.2188, 69.3150**.

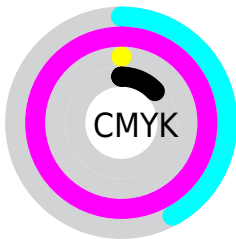
Distribution



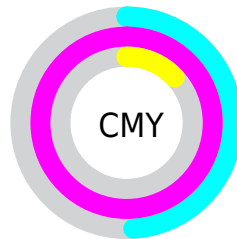
- Red (51%)
- Green (0%)
- Blue (87%)



- Red (51%)
- Yellow (0%)
- Blue (87%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1044, 9.8876, 69.1501 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 22.1044, 9.8876, 69.1501 by changing the saturation by 10% instead.

■ 22.1044, 9.8876,
69.1501

■ 22.1044, 9.8876,
69.1501

255.7131,
189.8680, 476.2685

■ 14.0507, 5.3245,
50.3614

■ 46.3961, 25.5839,
119.6657

■ 8.2379, 2.4389,
35.3275

■ 63.3647, 37.4858,
152.2296

■ 4.3006, 0.8458,
23.6297

■ 84.0357, 52.6029,
190.2225

■ 1.8736, 0.0000,
14.8495

■ 108.7743, 71.3194,
234.0627

■ 0.5614, 0.0000,
8.5684

■ 137.9461, 94.0197,
284.1689

■ 0.0000, 0.0000,
4.3678

■ 171.9162,

■ 0.0000, 0.0000,

121.0884, 340.9596

1.8292

211.0501,
152.9096, 404.8532

■ 0.0000, 0.0000,
0.4471

■ 0.0000, 0.0000,
0.0000

■ 22.1044, 9.8876,
69.1501

■ 22.1044, 9.8876,
69.1501

■ 22.1051, 9.8879,
69.1504

■ 23.8550, 11.2188,
69.3150

■ 26.0644, 13.2772,
69.5959

■ 28.8443, 16.2803,
70.0290

■ 32.2584, 20.3515,
70.6349

■ 36.3609, 25.5948,
71.4307

■ 41.1996, 32.1016,
72.4316

■ 46.8175, 39.9538,
73.6512

■ 53.2540, 49.2265,
75.1018

■ 60.5457, 59.9889,
76.7948

Harmonies

Analogous

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



12.9896, 9.8876, 107.9183



22.1044, 9.8876, 69.1501



29.0955, 9.8876, 25.4102

Triad

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



22.1044, 9.8876, 69.1501



13.6530, 9.8876, 0.0000



1.4597, 9.8876, 22.8331

Complementary

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



22.1044, 9.8876, 69.1501



30.2698, 53.9882, 8.8254

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.



1.5007, 9.8876, 3.2173



22.1044, 9.8876, 69.1501



6.5380, 9.8876, 0.0000

Square

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



22.1044, 9.8876, 69.1501



22.7922, 9.8876, 0.0000



2.8279, 9.8876, 0.0000



2.6585, 9.8876, 65.4105

Rectangle

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



22.1044, 9.8876, 69.1501



30.1718, 9.8876, 8.3911



2.8279, 9.8876, 0.0000



1.3582, 9.8876, 13.5512

Sweetspot

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



22.1051, 9.8879, 69.1504



64.5493, 54.9728, 101.8164



16.8856, 12.8892, 70.0048



13.0829, 10.7327, 21.6320



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.1051, 9.8879, 69.1504



30.4171, 13.5955, 95.6288



40.5488, 19.6642, 57.8986



13.0633, 12.9907, 16.4711



12.9729, 5.8120, 40.1765



0.9377, 0.4267, 2.6074

Inverse Universe

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



31.7505, 16.1449, 11.5672



43.8493, 22.3037, 15.6704



25.9692, 51.7582, 9.2119



13.2797, 13.1410, 14.7343



18.4978, 9.4002, 7.0015



1.2407, 0.6259, 0.6763

Previews

White Background



This preview shows how the XYZ color 22.1044, 9.8876, 69.1501 looks on a white background.

Color Contrast Check

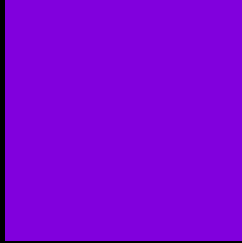
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 22.1044, 9.8876, 69.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

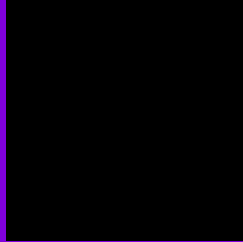
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1044, 9.8876, 69.1501

Background



This preview shows how black text looks on a background with the XYZ color 22.1044, 9.8876, 69.1501.



This preview shows how white text looks on a background with the XYZ color 22.1044, 9.8876, 69.1501.

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

22.1044, 9.8876, 69.1501

Protanopia

12.0599, 10.2771, 46.6954

Tritanopia

10.6704, 10.2126, 11.7648

Trichromacy



Original Color

22.1044, 9.8876, 69.1501



Protanomaly

12.6165, 7.3679, 53.5805



Tritanomaly

12.6554, 8.0053, 25.6891

Monochromacy



Original Color

22.1044, 9.8876, 69.1501



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

8.2686, 5.0411, 18.6264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1044, 9.8876, 69.1501 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(129, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 221)  
}
```

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(129, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 221) }
```

Border

The CSS property to change the border of an element to XYZ 22.1044, 9.8876, 69.1501 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(129, 0, 221) }
```

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

```
.border{ border-color:rgb(129, 0, 221) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
221) }
```


Background

The CSS property to change the background color of an element to XYZ 22.1044, 9.8876, 69.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 221) }
```

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

```
.background{ background-color: rgb(129, 0,  
221) }
```

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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