

Converting Colors

XYZ(21.9069, 10.2361, 48.7947)

Have a look what the booklet for
XYZ(21.9069, 10.2361, 48.7947)
contains.

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Color

**XYZ(21.9478, 10.2534,
48.9664)**

Conversions

Conversions Part 1

Format	Color
Hex	9700BD
RGB	151, 0, 189
RGB Percent	59%, 0%, 74%
CMY	0.4078, 1.0000, 0.2588
CMYK	0.20, 1.00, 0.00, 0.26
HSL	288°, 100%, 37%
HSV	288°, 100%, 74%
XYZ	21.9478, 10.2534, 48.9664
YIQ	66.6950, 29.3270, 90.7910

Conversions

Conversions Part 2

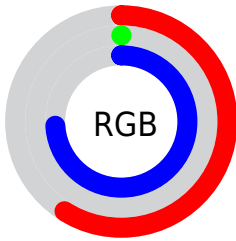
Format	Color
RYB	151, 0, 189
Decimal	9896125
CIELab	38.29, 72.73, -59.62
CIELCh	38, 94.043, 320.656
Yxy	10.2534, 0.2704, 0.1263
Android (android.graphics.Color)	4288086205 (0xFF9700BD)
YUV	66.6950, 60.2964, 73.9355
Hunter-Lab	32.0209, 66.3109, -68.2516

Details

The XYZ color **21.9478, 10.2534, 48.9664** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **18.9972, 36.8075, 6.1035**, and the grayscale version is **5.1931, 5.4635, 5.9498**.

A 20% lighter version of the original color is **46.1553, 26.2403, 89.8210**, and **8.9192, 4.1009, 22.8757** is the 20% darker color. If you saturate the color by 10%, you get **21.9480, 10.2535, 48.9666**, and if you desaturate by 10%, it is **22.8963, 11.0857, 49.0772**.

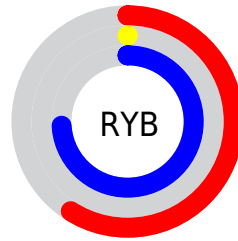
Distribution



Red (59%)

Green (0%)

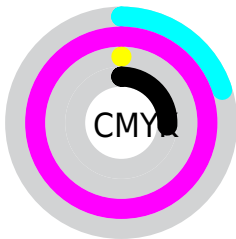
Blue (74%)



Red (59%)

Yellow (0%)

Blue (74%)

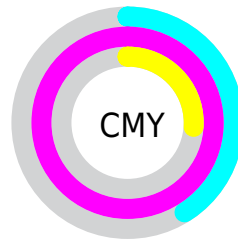


Cyan (20%)

Magenta (100%)

Yellow (0%)

Black (26%)



Cyan (41%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9478, 10.2534, 48.9664 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 21.9478, 10.2534, 48.9664 by changing the saturation by 10% instead.


 21.9478, 10.2534,
48.9664


 21.9478, 10.2534,
48.9664

254.9110,
192.4712, 399.2287


 13.9349, 5.5673,
34.2274


 46.1392, 26.2710,
90.0220


 8.1568, 2.5838,
22.7896


 63.0485, 38.3714,
117.1757


 4.2481, 0.9185,
14.2344


 83.6539, 53.7119,
149.3048

 1.8434, 0.0000,
8.1432

 108.3208, 72.6770,
186.8277

 0.5436, 0.0000,
4.0977

 137.4147, 95.6511,
230.1630

 0.0000, 0.0000,
1.6791

 171.3007,

 0.0000, 0.0000,

123.0185, 279.7292

0.3463

210.3444,
155.1638, 335.9449

■ 0.0000, 0.0000,
0.0000

■ 21.9478, 10.2534,
48.9664

■ 21.9478, 10.2534,
48.9664

■ 21.9480, 10.2535,
48.9666

■ 22.8963, 11.0857,
49.0772

■ 24.0916, 12.3784,
49.2638

■ 25.6161, 14.2951,
49.5534

■ 27.5110, 16.9179,
49.9597

■ 29.8113, 20.3163,
50.4945

■ 32.5474, 24.5514,
51.1677

■ 35.7472, 29.6780,
51.9886

■ 39.4357, 35.7465,
52.9655

■ 43.6364, 42.8032,
54.1062

Harmonies

Analogous

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



14.5054, 10.2534, 81.5198



21.9478, 10.2534, 48.9664



26.5429, 10.2534, 17.5666

Triad

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



21.9478, 10.2534, 48.9664



11.7802, 10.2534, 0.0000



2.3677, 10.2534, 27.7373

Complementary

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



21.9478, 10.2534, 48.9664



18.9972, 36.8075, 6.1035

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.



2.1419, 10.2534, 6.5439



21.9478, 10.2534, 48.9664



6.1608, 10.2534, 0.0000

Square

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



21.9478, 10.2534, 48.9664



19.2526, 10.2534, 0.0000



3.1907, 10.2534, 0.4476



4.0336, 10.2534, 62.6390

Rectangle

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



21.9478, 10.2534, 48.9664



26.4518, 10.2534, 6.0265



3.1907, 10.2534, 0.4476



2.1589, 10.2534, 18.6138

Sweetspot

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



21.9483, 10.2538, 48.9666



63.7261, 52.6711, 93.0340



9.9768, 5.2570, 48.6331



13.1658, 10.4584, 19.8673



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.9483, 10.2538, 48.9666



39.1072, 18.2601, 87.6896



25.3915, 12.5810, 24.1790



9.7370, 9.5968, 12.0114



14.8306, 6.9315, 32.9492



0.6295, 0.2966, 1.2929

Inverse Universe

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



21.3363, 10.9590, 2.8249



38.1454, 19.6001, 4.7027



18.8532, 36.6575, 9.5174



9.6065, 9.5669, 10.3169



14.3781, 7.3824, 2.0185



0.5868, 0.2986, 0.2034

Previews

White Background



This preview shows how the XYZ color 21.9478, 10.2534, 48.9664 looks on a white background.

Color Contrast Check

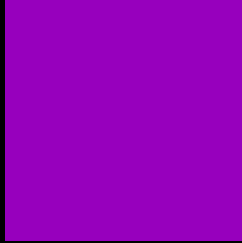
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9478, 10.2534, 48.9664 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 21.9478, 10.2534, 48.9664

Background



This preview shows how black text looks on a background with the XYZ color 21.9478, 10.2534, 48.9664.



This preview shows how white text looks on a background with the XYZ color 21.9478, 10.2534,

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

21.9478, 10.2534, 48.9664

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.8837, 10.9010, 37.1278



Tritanopia

13.8517, 10.6130, 8.7156

Trichromacy



Original Color

21.9478, 10.2534, 48.9664



Protanomaly

12.1158, 7.3693, 48.3608



Deuteranomaly

10.8314, 7.0999, 40.8439



Tritanomaly

15.3308, 9.0277, 18.3873

Monochromacy



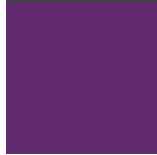
Original Color

21.9478, 10.2534, 48.9664



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.7701, 5.4721, 15.6329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9478, 10.2534, 48.9664 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(151, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 189)  
}
```

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(151, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 21.9478, 10.2534, 48.9664 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(151, 0, 189) }
```


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

```
.border{ border-color:rgb(151, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(151, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9478, 10.2534, 48.9664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 189) }
```

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

```
.background{ background-color: rgb(151, 0,  
189) }
```

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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