

Converting Colors

XYZ(21.9321, 10.1422, 53.6250)

Have a look what the booklet for
XYZ(21.9321, 10.1422, 53.6250)
contains.

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Color

**XYZ(21.9321, 10.1422,
53.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	9200C5
RGB	146, 0, 197
RGB Percent	57%, 0%, 77%
CMY	0.4274, 1.0000, 0.2274
CMYK	0.26, 1.00, 0.00, 0.23
HSL	284°, 100%, 39%
HSV	284°, 100%, 77%
XYZ	21.9321, 10.1422, 53.6250
YIQ	66.1120, 23.7790, 92.2190

Conversions

Conversions Part 2

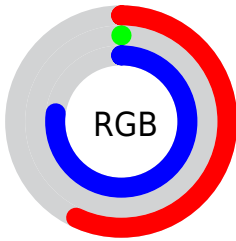
Format	Color
R_{YB}	146, 0, 197
Decimal	9568453
CIE _{Lab}	38.10, 73.50, -64.67
CIE _{LCh}	38, 97.906, 318.657
Yxy	10.1422, 0.2559, 0.1183
Android (android.graphics.Color)	4287758533 (0xFF9200C5)
YUV	66.1120, 64.5278, 70.0618
Hunter-Lab	31.8468, 67.1965, -77.5422

Details

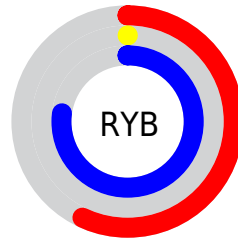
The XYZ color **21.9321, 10.1422, 53.6250** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **21.3318, 40.6365, 6.7195**, and the grayscale version is **5.0970, 5.3625, 5.8397**.

A 20% lighter version of the original color is **46.1693, 26.0840, 97.2091**, and **8.9070, 4.0277, 25.8992** is the 20% darker color. If you saturate the color by 10%, you get **21.9323, 10.1423, 53.6252**, and if you desaturate by 10%, it is **23.1046, 11.1103, 53.7503**.

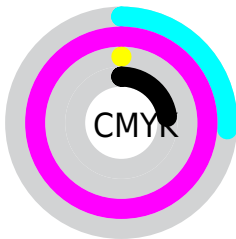
Distribution



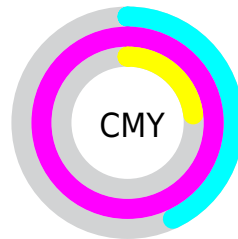
- Red (57%)
- Green (0%)
- Blue (77%)



- Red (57%)
- Yellow (0%)
- Blue (77%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (43%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9321, 10.1422, 53.6250 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 21.9321, 10.1422, 53.6250 by changing the saturation by 10% instead.

■ 21.9321, 10.1422,
53.6250

■ 21.9321, 10.1422,
53.6250

254.8305,
191.6840, 417.8125

■ 13.9233, 5.4933,
37.9108

■ 46.1134, 26.0626,
96.9743

■ 8.1487, 2.5395,
25.6122

■ 63.0167, 38.1030,
125.4464

■ 4.2429, 0.8964,
16.3106

■ 83.6156, 53.3760,
159.0083

■ 1.8404, 0.0000,
9.5875

■ 108.2753, 72.2659,
198.0784

■ 0.5418, 0.0000,
5.0243

■ 137.3613, 95.1574,
243.0754

■ 0.0000, 0.0000,
2.2025

■ 171.2390,

■ 0.0000, 0.0000,

122.4346, 294.4177

0.6758

210.2736,
154.4820, 352.5239

■ 0.0000, 0.0000,
0.0000

■ 21.9321, 10.1422,
53.6250

■ 21.9321, 10.1422,
53.6250

■ 21.9323, 10.1423,
53.6252

■ 23.1046, 11.1103,
53.7503

■ 24.5665, 12.5972,
53.9602

■ 26.4064, 14.7785,
54.2843

■ 28.6704, 17.7457,
54.7377

■ 31.3974, 21.5759,
55.3333

■ 34.6217, 26.3370,
56.0823

■ 38.3741, 32.0900,
56.9950

■ 42.6829, 38.8905,
58.0805

■ 47.5740, 46.7901,
59.3475

Harmonies

Analogous

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



14.0695, 10.1422, 87.6236



21.9321, 10.1422, 53.6250



27.1194, 10.1422, 19.3921

Triad

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



21.9321, 10.1422, 53.6250



12.2307, 10.1422, 0.0000



2.1050, 10.1422, 26.3222

Complementary

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



21.9321, 10.1422, 53.6250



21.3318, 40.6365, 6.7195

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.



1.9630, 10.1422, 5.5183



21.9321, 10.1422, 53.6250



6.2537, 10.1422, 0.0000

Square

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



21.9321, 10.1422, 53.6250



20.0913, 10.1422, 0.0000



3.0953, 10.1422, 0.0707



3.6378, 10.1422, 63.1332

Rectangle

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



21.9321, 10.1422, 53.6250



27.3168, 10.1422, 6.5921



3.0953, 10.1422, 0.0707



1.9290, 10.1422, 17.1483

Sweetspot

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



21.9326, 10.1426, 53.6252



68.3957, 56.9556, 101.9964



11.3303, 6.5355, 53.4878



14.0024, 11.2066, 21.6750



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.



21.9326, 10.1426, 53.6252



39.0328, 18.0370, 96.0320



28.6148, 14.1060, 30.5075



10.8048, 10.6731, 13.4081



14.5071, 6.7129, 35.2755



0.7517, 0.3512, 1.6733

Inverse Universe

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



23.6237, 12.1095, 4.2246



42.2238, 21.6535, 7.1105



20.4590, 40.1297, 9.2493



10.7447, 10.6813, 11.6388



15.5676, 7.9766, 2.9331



0.7678, 0.3899, 0.3002

Previews

White Background



This preview shows how the XYZ color 21.9321, 10.1422, 53.6250 looks on a white background.

Color Contrast Check

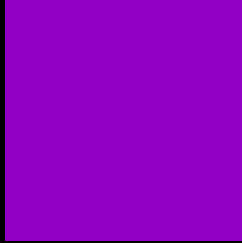
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9321, 10.1422, 53.6250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

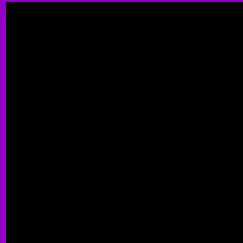
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9321, 10.1422, 53.6250

Background



This preview shows how black text looks on a background with the XYZ color 21.9321, 10.1422, 53.6250.



This preview shows how white text looks on a background with the XYZ color 21.9321, 10.1422,

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

21.9321, 10.1422, 53.6250

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.6136, 10.6498, 36.1465



Tritanopia

13.1173, 10.5215, 9.5231

Trichromacy



Original Color

21.9321, 10.1422, 53.6250



Protanomaly

12.3353, 7.4447, 50.0770



Deuteranomaly

10.8219, 7.0837, 41.3544



Tritanomaly

14.7281, 8.8028, 19.9916

Monochromacy



Original Color

21.9321, 10.1422, 53.6250



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.5845, 5.3037, 16.4909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9321, 10.1422, 53.6250 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(146, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 197)  
}
```

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(146, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 21.9321, 10.1422, 53.6250 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(146, 0, 197) }
```


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

```
.border{ border-color:rgb(146, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9321, 10.1422, 53.6250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 197) }
```

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

```
.background{ background-color: rgb(146, 0,  
197) }
```

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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