

Converting Colors

XYZ(21.9902, 10.5146, 49.2589)

Have a look what the booklet for
XYZ(21.9902, 10.5146, 49.2589)
contains.

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Color

**XYZ(21.9338, 10.4998,
49.0147)**

Conversions

Conversions Part 1

Format	Color
Hex	960FBD
RGB	150, 15, 189
RGB Percent	59%, 6%, 74%
CMY	0.4118, 0.9411, 0.2588
CMYK	0.21, 0.92, 0.00, 0.26
HSL	287°, 85%, 40%
HSV	287°, 92%, 74%
XYZ	21.9338, 10.4998, 49.0147
YIQ	75.2010, 24.6060, 82.7340

Conversions

Conversions Part 2

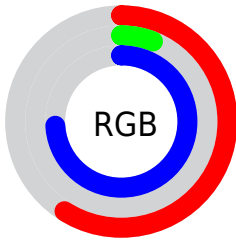
Format	Color
R_{YB}	150, 15, 189
Decimal	9834429
CIE _{Lab}	38.72, 70.80, -58.93
CIE _{LCh}	39, 92.117, 320.231
Yxy	10.4998, 0.2693, 0.1289
Android (android.graphics.Color)	4288024509 (0xFF960FBD)
YUV	75.2010, 56.1029, 65.5987
Hunter-Lab	32.4034, 64.1204, -67.0021

Details

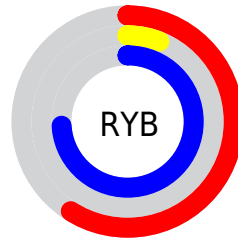
The XYZ color **21.9338, 10.4998, 49.0147** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **19.8055, 37.2142, 6.5914**, and the grayscale version is **6.6239, 6.9688, 7.5891**.

A 20% lighter version of the original color is **46.2568, 26.8647, 89.9362**, and **8.8173, 4.0484, 22.8710** is the 20% darker color. If you saturate the color by 10%, you get **21.1532, 9.8438, 48.9294**, and if you desaturate by 10%, it is **23.1265, 11.7063, 49.1849**.

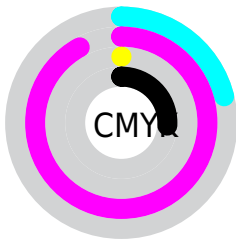
Distribution



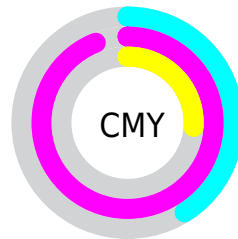
- Red (59%)
- Green (6%)
- Blue (74%)



- Red (59%)
- Yellow (6%)
- Blue (74%)



- Cyan (21%)
- Magenta (92%)
- Yellow (0%)
- Black (26%)



- Cyan (41%)
- Magenta (94%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9338, 10.4998, 49.0147 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 21.9338, 10.4998, 49.0147 by changing the saturation by 10% instead.

21.9338, 10.4998,
49.0147

21.9338, 10.4998,
49.0147

254.8392,
194.2030, 399.4243

13.9246, 5.7316,
34.2655

46.1162, 26.7314,
90.0945

8.1496, 2.6826,
22.8186

63.0202, 38.9636,
117.2621

4.2434, 0.9683,
14.2556

83.6197, 54.4526,
149.4063

1.8408, 0.0000,
8.1579

108.2802, 73.5827,
186.9456

0.5420, 0.0000,
4.1069

137.3671, 96.7385,
230.2985

0.0000, 0.0000,
1.6842

171.2457,

0.0000, 0.0000,

124.3041, 279.8835

0.3499

210.2812,
156.6642, 336.1193

■ 0.0000, 0.0000,
0.0000

■ 21.9338, 10.4998,
49.0147

■ 21.9338, 10.4998,
49.0147

■ 21.1532, 9.8438,
48.9294

■ 23.1265, 11.7063,
49.1849

■ 24.6437, 13.5201,
49.4550

■ 26.5289, 16.0271,
49.8396

■ 28.8180, 19.2990,
50.3505

■ 31.5427, 23.3984,
50.9981

■ 34.7312, 28.3815,
51.7919

■ 38.4092, 34.2993,
52.7403

■ 42.6005, 41.1990,
53.8512

■ 47.3273, 49.1246,
55.1318

Harmonies

Analogous

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



14.5934, 10.4998, 80.4216



21.9338, 10.4998, 49.0147



26.5053, 10.4998, 18.1072

Triad

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



21.9338, 10.4998, 49.0147



12.0979, 10.4998, 0.0000



2.5381, 10.4998, 27.3607

Complementary

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



21.9338, 10.4998, 49.0147



19.8055, 37.2142, 6.5914

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.



2.3230, 10.4998, 6.6401



21.9338, 10.4998, 49.0147



6.4581, 10.4998, 0.0000

Square

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



21.9338, 10.4998, 49.0147



19.4829, 10.4998, 0.0000



3.4206, 10.4998, 0.5481



4.2134, 10.4998, 61.3141

Rectangle

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



21.9338, 10.4998, 49.0147



26.4740, 10.4998, 6.4568



3.4206, 10.4998, 0.5481



2.3292, 10.4998, 18.4708

Sweetspot

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



21.9343, 10.5002, 49.0149



64.4791, 54.4615, 93.3399



10.7776, 6.5660, 48.8436



13.2835, 10.7834, 19.9239



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.



21.9343, 10.5002, 49.0149



37.6690, 17.5187, 87.6223



26.0851, 13.1318, 26.9887



9.7151, 9.5855, 12.0104



14.3006, 6.6583, 32.9244



0.6127, 0.2879, 1.2921

Inverse Universe

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



21.8232, 11.4271, 4.5461



38.2729, 19.6511, 5.3738



19.2480, 36.8382, 10.5683



9.6154, 9.5705, 10.3637



14.4301, 7.4032, 2.2927



0.5907, 0.3002, 0.2238

Previews

White Background



This preview shows how the XYZ color 21.9338, 10.4998, 49.0147 looks on a white background.

Color Contrast Check

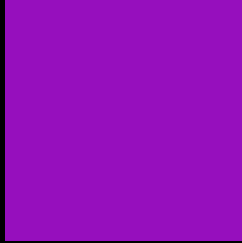
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9338, 10.4998, 49.0147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

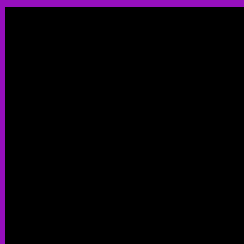
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9338, 10.4998, 49.0147

Background



This preview shows how black text looks on a background with the XYZ color 21.9338, 10.4998, 49.0147.



This preview shows how white text looks on a background with the XYZ color 21.9338, 10.4998,

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

21.9338, 10.4998, 49.0147

Protanopia

12.8415, 10.9865, 49.5879

Deuteranopia

10.8837, 10.9010, 37.1278



Tritanopia

13.7956, 10.6797, 8.9237

Trichromacy



Original Color

21.9338, 10.4998, 49.0147



Protanomaly

12.5384, 8.0414, 49.0354



Deuteranomaly

11.1637, 7.7646, 40.9547



Tritanomaly

15.4785, 9.4777, 18.7829

Monochromacy



Original Color

21.9338, 10.4998, 49.0147



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

9.9050, 6.6319, 17.2810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9338, 10.4998, 49.0147 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(150, 15, 189)` looks like.

```
.text, #text, p{  
    color:rgb(150, 15, 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(150, 15, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 15, 189) }
```

Border

The CSS property to change the border of an element to XYZ 21.9338, 10.4998, 49.0147 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(150, 15, 189) }
```


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

```
.border{ border-color:rgb(150, 15, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 15, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 15, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 15, 189);  
box-shadow:4px 4px 4px 4px rgb(150, 15,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9338, 10.4998, 49.0147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 15, 189) }
```

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

```
.background{ background-color: rgb(150, 15,  
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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