

Converting Colors

XYZ(21.9557, 11.6840, 29.2662)

Have a look what the booklet for
XYZ(21.9557, 11.6840, 29.2662)
contains.

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Color

**XYZ(21.9432, 11.6767,
29.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	A72594
RGB	167, 37, 148
RGB Percent	65%, 15%, 58%
CMY	0.3451, 0.8549, 0.4196
CMYK	0.00, 0.78, 0.11, 0.35
HSL	309°, 64%, 40%
HSV	309°, 78%, 65%
XYZ	21.9432, 11.6767, 29.1143
YIQ	88.5240, 41.8490, 62.0810

Conversions

Conversions Part 2

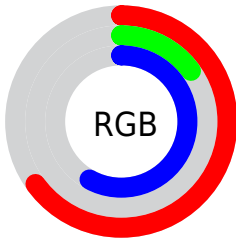
Format	Color
R_{YB}	167, 37, 148
Decimal	10954132
CIE _{Lab}	40.70, 62.34, -31.09
CIE _{LCh}	41, 69.668, 333.493
Yxy	11.6767, 0.3498, 0.1861
Android (android.graphics.Color)	4289144212 (0xFFA72594)
YUV	88.5240, 29.3217, 68.8235
Hunter-Lab	34.1712, 54.8251, -26.5960

Details

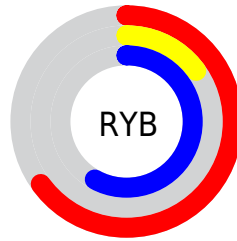
The XYZ color **21.9432, 11.6767, 29.1143** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.2960, 28.3167, 8.4018**, and the grayscale version is **9.3225, 9.8080, 10.6809**.

A 20% lighter version of the original color is **45.9867, 28.8212, 59.0164**, and **8.7132, 4.2426, 11.6689** is the 20% darker color. If you saturate the color by 10%, you get **21.3462, 10.7884, 27.9721**, and if you desaturate by 10%, it is **22.7827, 13.0430, 30.3576**.

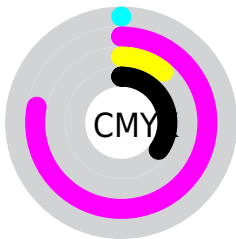
Distribution



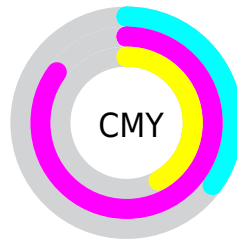
- Red (65%)
- Green (15%)
- Blue (58%)



- Red (65%)
- Yellow (15%)
- Blue (58%)



- Cyan (0%)
- Magenta (78%)
- Yellow (11%)
- Black (35%)



- Cyan (35%)
- Magenta (85%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9432, 11.6767, 29.1143 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 21.9432, 11.6767, 29.1143 by changing the saturation by 10% instead.

■ 21.9432, 11.6767,
29.1143

■ 21.9432, 11.6767,
29.1143

254.8874,
202.2531, 311.8317

■ 13.9315, 6.5239,
18.9210

■ 46.1317, 28.9049,
59.3030

■ 8.1544, 3.1662,
11.4370

■ 63.0392, 41.7491,
80.1354

■ 4.2466, 1.2191,
6.2437

■ 83.6427, 57.9259,
105.3513

■ 1.8426, 0.0772,
2.9226

■ 108.3075, 77.8198,
135.3693

■ 0.5431, 0.0000,
1.0553

■ 137.3990,
101.8150, 170.6077

■ 0.0000, 0.0000,
0.0000

■ 171.2826,

130.2960, 211.4852

210.3237,
163.6473, 258.4204

■ 21.9432, 11.6767,
29.1143

■ 21.9432, 11.6767,
29.1143

■ 21.3462, 10.7884,
27.9721

■ 22.7827, 13.0430,
30.3576

■ 20.9426, 10.2806,
26.9143

■ 23.8923, 14.9430,
31.7111

■ 20.8635, 10.1864,
26.6911

■ 25.2970, 17.4268,
33.1833

■ 27.0187, 20.5380,
34.7816

■ 29.0773, 24.3161,
36.5128

■ 31.4909, 28.7976,
38.3830

■ 34.2763, 34.0160,
40.3980

■ 37.4494, 40.0029,
42.5632

■ 41.0249, 46.7880,
44.8835

Harmonies

Analogous

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



17.2032, 11.6767, 51.5265



21.9432, 11.6767, 29.1143



23.5237, 11.6767, 11.1288

Triad

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



21.9432, 11.6767, 29.1143



10.5301, 11.6767, 0.0440



4.9155, 11.6767, 34.3871

Complementary

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



21.9432, 11.6767, 29.1143



15.2960, 28.3167, 8.4018

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.



4.0645, 11.6767, 14.4429



21.9432, 11.6767, 29.1143



6.6414, 11.6767, 0.8437

Square

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



21.9432, 11.6767, 29.1143



15.8964, 11.6767, 0.5470



4.5871, 11.6767, 4.0316



7.3783, 11.6767, 55.8516

Rectangle

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



21.9432, 11.6767, 29.1143



22.2773, 11.6767, 4.6649



4.5871, 11.6767, 4.0316



4.4710, 11.6767, 26.9200

Sweetspot

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



21.9436, 11.6773, 29.1145



53.9071, 46.9398, 66.8419



9.1765, 4.9073, 37.0231



11.7373, 9.9003, 14.7008



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.9436, 11.6773, 29.1145



37.7147, 18.6601, 48.7888



18.2250, 10.1898, 9.5323



7.7941, 7.6475, 9.2328



15.9788, 7.8002, 20.4978



0.4012, 0.1947, 0.5641

Inverse Universe

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



21.9436, 11.6773, 29.1145



37.7147, 18.6601, 48.7888



17.9321, 29.3712, 22.2829



7.7941, 7.6475, 9.2328



15.9788, 7.8002, 20.4978



0.4012, 0.1947, 0.5641

Previews

White Background



This preview shows how the XYZ color 21.9432, 11.6767, 29.1143 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 21.9432, 11.6767, 29.1143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

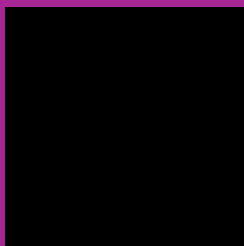
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9432, 11.6767, 29.1143

Background



This preview shows how black text looks on a background with the XYZ color 21.9432, 11.6767, 29.1143.



This preview shows how white text looks on a background with the XYZ color 21.9432, 11.6767,

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

21.9432, 11.6767, 29.1143

Protanopia

14.3692, 12.1853, 54.4180

Deuteranopia

12.2248, 11.9647, 26.4760



Tritanopia

17.3518, 11.7096, 7.1400

Trichromacy



Original Color

21.9432, 11.6767, 29.1143



Protanomaly

13.2669, 9.4362, 43.7700



Deuteranomaly

14.1561, 10.4601, 27.2595



Tritanomaly

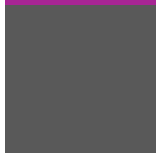
18.4711, 11.2956, 12.7620

Monochromacy



Original Color

21.9432, 11.6767, 29.1143



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

12.3407, 9.2880, 15.8942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9432, 11.6767, 29.1143 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(167, 37, 148)` looks like.

```
.text, #text, p{  
    color:rgb(167, 37, 148)  
}
```

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(167, 37, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 37, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.9432, 11.6767, 29.1143 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(167, 37, 148) }
```


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

```
.border{ border-color:rgb(167, 37, 148) }
```

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

Here you see how a box with a 4 pixel rgb(167, 37, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 37, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 37, 148);  
box-shadow:4px 4px 4px 4px rgb(167, 37,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9432, 11.6767, 29.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 37, 148) }
```

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

```
.background{ background-color: rgb(167, 37,  
148) }
```

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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