

Converting Colors

XYZ(21.8788, 13.2244, 32.8519)

Have a look what the booklet for
XYZ(21.8788, 13.2244, 32.8519)
contains.

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Color

**XYZ(21.8788, 13.2244,
32.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3F9C
RGB	158, 63, 156
RGB Percent	62%, 25%, 61%
CMY	0.3804, 0.7529, 0.3882
CMYK	0.00, 0.60, 0.01, 0.38
HSL	301°, 43%, 43%
HSV	301°, 60%, 62%
XYZ	21.8788, 13.2244, 32.8519
YIQ	102.0070, 26.7670, 49.0630

Conversions

Conversions Part 2

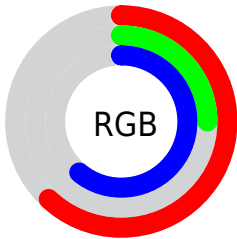
Format	Color
RYB	158, 63, 156
Decimal	10370972
CIELab	43.10, 51.69, -32.25
CIELCh	43, 60.925, 328.043
Yxy	13.2244, 0.3220, 0.1946
Android (android.graphics.Color)	4288561052 (0xFF9E3F9C)
YUV	102.0070, 26.6185, 49.1059
Hunter-Lab	36.3654, 43.7531, -28.1059

Details

The XYZ color **21.8788, 13.2244, 32.8519** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.2315, 25.8927, 9.1968**, and the grayscale version is **12.5595, 13.2135, 14.3895**.

A 20% lighter version of the original color is **46.0276, 31.6410, 65.3094**, and **8.2076, 3.9425, 13.4251** is the 20% darker color. If you saturate the color by 10%, you get **21.0981, 11.7076, 32.4529**, and if you desaturate by 10%, it is **22.9116, 15.2446, 33.3355**.

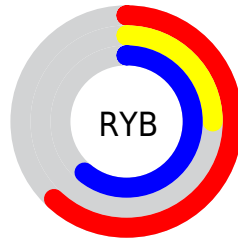
Distribution



Red (62%)

Green (25%)

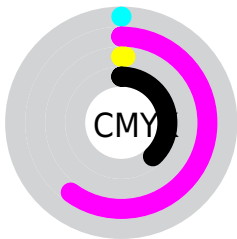
Blue (61%)



Red (62%)

Yellow (25%)

Blue (61%)

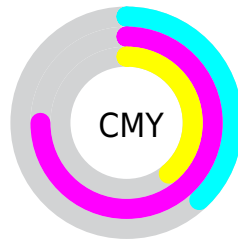


Cyan (0%)

Magenta (60%)

Yellow (1%)

Black (38%)



Cyan (38%)

Magenta (75%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8788, 13.2244, 32.8519 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 21.8788, 13.2244, 32.8519 by changing the saturation by 10% instead.

■ 21.8788, 13.2244,
32.8519

■ 21.8788, 13.2244,
32.8519

254.5570,
212.3509, 329.5934

■ 13.8840, 7.5833,
21.7428

■ 46.0259, 31.7063,
65.2576

■ 8.1212, 3.8295,
13.4715

■ 62.9090, 45.3159,
87.3913

■ 4.2250, 1.5786,
7.6195

■ 83.4854, 62.3504,
114.0369

■ 1.8302, 0.3431,
3.7682

■ 108.1207, 83.1943,
145.6131

■ 0.5358, 0.0000,
1.4991

■ 137.1802,
108.2319, 182.5382

■ 0.0000, 0.0000,
0.2172

171.0291,

■ 0.0000, 0.0000,

137.8475, 225.2310

0.0000

210.0329,
172.4257, 274.1099

■ 21.8788, 13.2244,
32.8519

■ 21.8788, 13.2244,
32.8519

■ 21.0981, 11.7076,
32.4529

■ 22.9116, 15.2446,
33.3355

■ 20.5459, 10.6482,
32.1304

■ 24.2147, 17.8055,
33.9095

■ 20.1968, 9.9948,
31.8760

■ 25.8061, 20.9428,
34.5799

■ 19.9898, 9.6248,
31.6710

■ 27.7019, 24.6890,
35.3522

■ 29.9171, 29.0737,
36.2314

■ 32.4656, 34.1249,
37.2220

■ 35.3606, 39.8689,
38.3285

■ 38.6144, 46.3304,
39.5550

■ 42.2388, 53.5331,
40.9054

Harmonies

Analogous

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



17.3039, 13.2244, 51.3406



21.8788, 13.2244, 32.8519



23.9086, 13.2244, 15.2991

Triad

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



21.8788, 13.2244, 32.8519



12.8798, 13.2244, 0.9383



6.1717, 13.2244, 30.2752

Complementary

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



21.8788, 13.2244, 32.8519



15.2315, 25.8927, 9.1968

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.



5.5389, 13.2244, 13.5351



21.8788, 13.2244, 32.8519



8.7883, 13.2244, 1.5169

Square

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



21.8788, 13.2244, 32.8519



17.9724, 13.2244, 1.7222



6.3653, 13.2244, 4.5986



8.3748, 13.2244, 49.3098

Rectangle

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



21.8788, 13.2244, 32.8519



23.2421, 13.2244, 7.7893



6.3653, 13.2244, 4.5986



5.7966, 13.2244, 23.9721

Sweetspot

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



21.8793, 13.2250, 32.8522



50.9759, 46.1598, 64.4672



10.1022, 7.1339, 33.1928



11.2584, 9.9437, 14.4401



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.8793, 13.2250, 32.8522



37.9407, 20.5418, 58.7267



18.6345, 11.9271, 15.7653



6.8981, 6.7522, 8.3147



16.0114, 7.7091, 25.3750



0.2880, 0.1385, 0.4627

Inverse Universe

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



21.8793, 13.2250, 32.8522



37.9407, 20.5418, 58.7267



17.2066, 26.6827, 19.5977



6.8981, 6.7522, 8.3147



16.0114, 7.7091, 25.3750



0.2880, 0.1385, 0.4627

Previews

White Background



This preview shows how the XYZ color 21.8788, 13.2244, 32.8519 looks on a white background.

Color Contrast Check

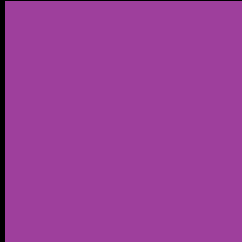
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8788, 13.2244, 32.8519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

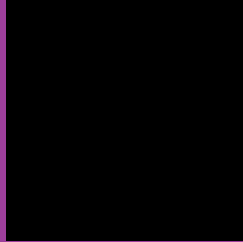
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8788, 13.2244, 32.8519

Background



This preview shows how black text looks on a background with the XYZ color 21.8788, 13.2244, 32.8519.



This preview shows how white text looks on a background with the XYZ color 21.8788, 13.2244,

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

21.8788, 13.2244, 32.8519

Protanopia

15.4298, 13.6583, 49.9672

Deuteranopia

13.8237, 13.5438, 30.7398



Tritanopia

17.3564, 13.2232, 10.8701

Trichromacy



Original Color

21.8788, 13.2244, 32.8519

Protanomaly

15.9601, 12.3704, 43.1415

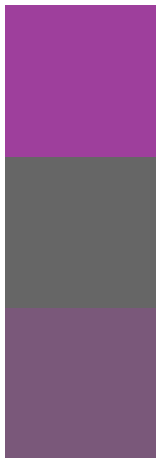
Deuteranomaly

15.5876, 12.5614, 31.3088

Tritanomaly

18.6336, 12.9967, 17.1493

Monochromacy



Original Color

21.8788, 13.2244, 32.8519

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.0286, 12.5222, 20.0373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8788, 13.2244, 32.8519 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(158, 63, 156)` looks like.

```
.text, #text, p{  
    color:rgb(158, 63, 156)  
}
```

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(158, 63, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 63, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.8788, 13.2244, 32.8519 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(158, 63, 156) }
```


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

```
.border{ border-color:rgb(158, 63, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 63, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 63, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 63, 156);  
box-shadow:4px 4px 4px 4px rgb(158, 63,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8788, 13.2244, 32.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 63, 156) }
```

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

```
.background{ background-color: rgb(158, 63,  
156) }
```

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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