

Converting Colors

XYZ(33.8407, 21.3711, 87.9317)

Have a look what the booklet for
XYZ(33.8407, 21.3711, 87.9317)
contains.

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Color

**XYZ(33.7611, 21.3289,
87.9254)**

Conversions

Conversions Part 1

Format	Color
Hex	9B5DF4
RGB	155, 93, 244
RGB Percent	61%, 36%, 96%
CMY	0.3921, 0.6353, 0.0431
CMYK	0.36, 0.62, 0.00, 0.04
HSL	265°, 87%, 66%
HSV	265°, 62%, 96%
XYZ	33.7611, 21.3289, 87.9254
YIQ	128.7520, -11.5190, 60.1050

Conversions

Conversions Part 2

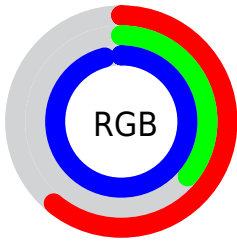
Format	Color
R _Y B	155, 93, 244
Decimal	10182132
CIE Lab	53.31, 55.36, -66.75
CIE LCh	53, 86.720, 309.674
Yxy	21.3289, 0.2361, 0.1491
Android (android.graphics.Color)	4288372212 (0xFF9B5DF4)
YUV	128.7520, 56.8173, 23.0195
Hunter-Lab	46.1832, 49.6674, -80.5503

Details

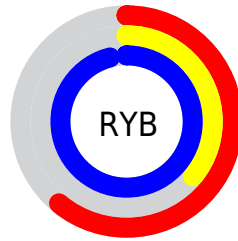
The XYZ color **33.7611, 21.3289, 87.9254** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **53.6175, 75.4368, 22.0911**, and the grayscale version is **20.5912, 21.6635, 23.5916**.

A 20% lighter version of the original color is **56.0604, 42.0739, 99.7741**, and **14.6923, 7.7151, 47.7285** is the 20% darker color. If you saturate the color by 10%, you get **29.3535, 16.3688, 87.2008**, and if you desaturate by 10%, it is **39.1824, 27.8257, 88.8941**.

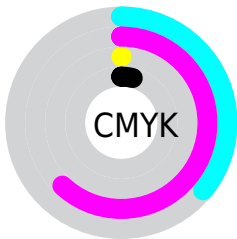
Distribution



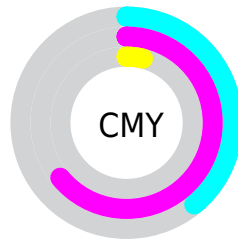
- Red (61%)
- Green (36%)
- Blue (96%)



- Red (61%)
- Yellow (36%)
- Blue (96%)



- Cyan (36%)
- Magenta (62%)
- Yellow (0%)
- Black (4%)





- Cyan (39%)
- Magenta (64%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7611, 21.3289, 87.9254 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 33.7611, 21.3289, 87.9254 by changing the saturation by 10% instead.


 33.7611, 21.3289,
87.9254


 33.7611, 21.3289,
87.9254


310.6702,
259.0213, 541.6539


 22.8721, 13.3646,
65.6973

 64.9087, 45.6343,
146.3635


 14.6193, 7.6801,
47.5718


 85.8982, 62.7442,
183.4106

 8.6372, 3.8909,
33.1303


 110.9851, 83.6714,
226.2345

 4.5605, 1.6127,
21.9544

 140.5349,
108.8003, 275.2536

 2.0239, 0.3662,
13.6254

174.9130,
138.5154, 330.8866

 0.6473, 0.0000,
7.7248

214.4846,

 0.0000, 0.0000,

173.2010, 393.5519

3.8341

259.6153,
213.2415, 463.6682

■ 0.0000, 0.0000,
1.5348

■ 0.0000, 0.0000,
0.2436

■ 33.7611, 21.3289,
87.9254

■ 33.7611, 21.3289,
87.9254

■ 29.3535, 16.3688,
87.2008

■ 39.1824, 27.8257,
88.8941

■ 25.8774, 12.8022,
86.6955

■ 45.6839, 35.9802,
90.1254

■ 23.2404, 10.4607,
86.3826

■ 53.3296, 45.9033,
91.6378

■ 21.6059, 9.2519,
86.2354

■ 62.1772, 57.6954,
93.4476

72.2800, 71.4495,
95.5699

83.6882, 87.2521,
98.0188

93.3292, 99.3117,
99.8385

Harmonies

Analogous

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



23.3861, 21.3289, 117.2254



33.7611, 21.3289, 87.9254



41.7429, 21.3289, 45.5864

Triad

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



33.7611, 21.3289, 87.9254



27.0442, 21.3289, 0.7404



7.3742, 21.3289, 32.7978

Complementary

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



33.7611, 21.3289, 87.9254



53.6175, 75.4368, 22.0911

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.



7.8149, 21.3289, 9.7158



33.7611, 21.3289, 87.9254



17.4483, 21.3289, 0.4490

Square

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



33.7611, 21.3289, 87.9254



37.1232, 21.3289, 3.5901



10.9613, 21.3289, 1.9975



9.4939, 21.3289, 72.7670

Rectangle

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



33.7611, 21.3289, 87.9254



43.5472, 21.3289, 23.5127



10.9613, 21.3289, 1.9975



7.2471, 21.3289, 22.9367

Sweetspot

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



33.7621, 21.3296, 87.9259



71.7575, 67.8686, 103.9257



37.9013, 42.9743, 91.8856



14.7049, 13.6424, 22.1082



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.



33.7621, 21.3296, 87.9259



31.4796, 17.0614, 96.2418



52.5251, 31.0023, 88.8040



16.2256, 16.2590, 20.8257



11.8942, 5.1060, 46.8967



1.1590, 0.5074, 4.1271

Inverse Universe

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



49.6661, 30.4394, 47.5124



51.1932, 28.3865, 44.6463



40.5234, 68.6865, 21.4783



16.9089, 16.6464, 19.2670



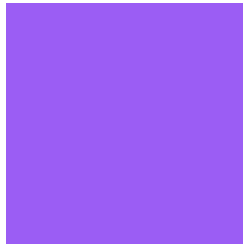
23.0851, 11.5775, 15.6882



2.0799, 1.0379, 1.6473

Previews

White Background



This preview shows how the XYZ color 33.7611, 21.3289, 87.9254 looks on a white background.

Color Contrast Check

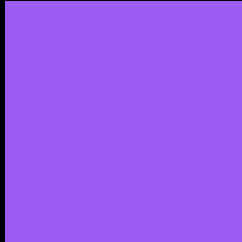
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.7611, 21.3289, 87.9254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

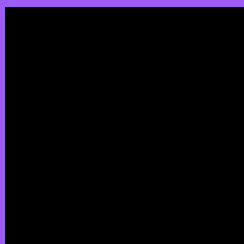
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7611, 21.3289, 87.9254

Background



This preview shows how black text looks on a background with the XYZ color 33.7611, 21.3289, 87.9254.



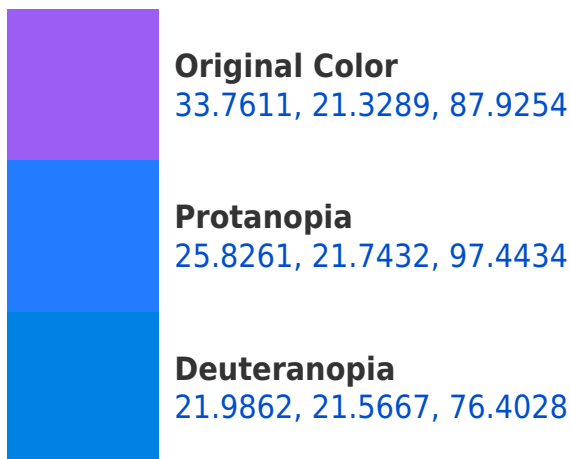
This preview shows how white text looks on a background with the XYZ color 33.7611, 21.3289,

87.9254.

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





Tritanopia

21.1524, 21.2940, 25.5496

Trichromacy



Original Color

33.7611, 21.3289, 87.9254



Protanomaly

26.4312, 20.2156, 93.7757



Deuteranomaly

22.8435, 19.5038, 80.4025



Tritanomaly

24.3603, 20.4417, 42.7061

Monochromacy



Original Color

33.7611, 21.3289, 87.9254



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

24.0773, 20.8343, 41.2805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7611, 21.3289, 87.9254 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(155, 93, 244)` looks like.

```
.text, #text, p{  
    color:rgb(155, 93, 244)  
}
```

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(155, 93, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 93, 244) }
```

Border

The CSS property to change the border of an element to XYZ 33.7611, 21.3289, 87.9254 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(155, 93, 244) }
```


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

```
.border{ border-color:rgb(155, 93, 244) }
```

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

Here you see how a box with a 4 pixel rgb(155, 93, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 93, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 93, 244);  
box-shadow:4px 4px 4px 4px rgb(155, 93,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7611, 21.3289, 87.9254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 93, 244) }
```

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

```
.background{ background-color: rgb(155, 93,  
244) }
```

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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