

Converting Colors

XYZ(33.3438, 28.9188, 78.1571)

Have a look what the booklet for
XYZ(33.3438, 28.9188, 78.1571)
contains.

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Color

**XYZ(33.2419, 28.7827,
77.9323)**

Conversions

Conversions Part 1

Format	Color
Hex	8889E5
RGB	136, 137, 229
RGB Percent	53%, 54%, 90%
CMY	0.4666, 0.4627, 0.1020
CMYK	0.41, 0.40, 0.00, 0.10
HSL	239°, 64%, 72%
HSV	239°, 41%, 90%
XYZ	33.2419, 28.7827, 77.9323
YIQ	147.1890, -30.1280, 28.4000

Conversions

Conversions Part 2

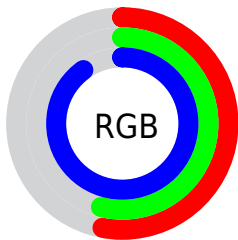
Format	Color
RYB	136, 137, 229
Decimal	8948197
CIELab	60.59, 22.15, -46.85
CIELCh	61, 51.824, 295.305
Yxy	28.7827, 0.2375, 0.2057
Android (android.graphics.Color)	4287138277 (0xFF8889E5)
YUV	147.1890, 40.3328, -9.8128
Hunter-Lab	53.6495, 16.7142, -48.5711

Details

The XYZ color **33.2419, 28.7827, 77.9323** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.5018, 73.9243, 34.1634**, and the grayscale version is **27.6596, 29.1000, 31.6899**.

A 20% lighter version of the original color is **58.4558, 55.3844, 102.2170**, and **14.3444, 11.5829, 41.0148** is the 20% darker color. If you saturate the color by 10%, you get **27.0231, 21.2881, 76.8140**, and if you desaturate by 10%, it is **40.9335, 38.0411, 79.3145**.

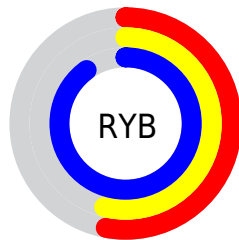
Distribution



Red (53%)

Green (54%)

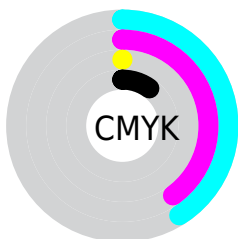
Blue (90%)



Red (53%)

Yellow (54%)

Blue (90%)

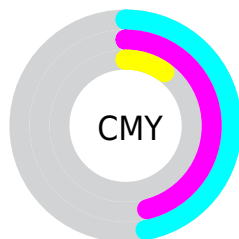


Cyan (41%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (47%)

Magenta (46%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2419, 28.7827, 77.9323 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 33.2419, 28.7827, 77.9323 by changing the saturation by 10% instead.

■ 33.2419, 28.7827,
77.9323

■ 33.2419, 28.7827,
77.9323

308.3841,
296.1883, 507.4587

■ 22.4719, 18.9165,
57.5022

■ 64.1052, 57.7317,
132.2397

■ 14.3226, 11.6100,
40.9966

■ 84.9292, 77.5832,
166.9541

■ 8.4286, 6.4787,
27.9967

■ 109.8353,
101.5320, 207.2670

■ 4.4245, 3.1383,
18.0842

139.1888,
129.9624, 253.5971

■ 1.9450, 1.2043,
10.8404

173.3550,
163.2589, 306.3627

■ 0.6028, 0.0652,
5.8468

212.6995,

■ 0.0000, 0.0000,

201.8057, 365.9825

2.6849

257.5873,
245.9874, 432.8750

■ 0.0000, 0.0000,
0.9358

■ 0.0000, 0.0000,
0.0000

■ 33.2419, 28.7827,
77.9323

■ 33.2419, 28.7827,
77.9323

■ 27.0231, 21.2881,
76.8140

■ 40.9335, 38.0411,
79.3145

■ 22.1800, 15.4424,
75.9409

■ 50.1800, 49.1619,
80.9737

■ 18.6091, 11.1223,
75.2953

■ 61.0614, 62.2404,
82.9246

■ 16.1912, 8.1858,
74.8559

■ 73.6515, 77.3644,
85.1802

■ 14.7841, 6.4644,
74.5978

■ 88.0193, 94.6163,
87.7529

■ 14.1696, 5.7105,
74.4847

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



26.3160, 28.7827, 84.3734



33.2419, 28.7827, 77.9323



39.3762, 28.7827, 57.3835

Triad

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



33.2419, 28.7827, 77.9323



35.3655, 28.7827, 9.7382



16.4207, 28.7827, 28.4153

Complementary

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



33.2419, 28.7827, 77.9323



64.5018, 73.9243, 34.1634

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.



18.0725, 28.7827, 14.6791



33.2419, 28.7827, 77.9323



28.4253, 28.7827, 7.0736

Square

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



33.2419, 28.7827, 77.9323



40.7359, 28.7827, 18.0656



22.2113, 28.7827, 8.4173



17.2844, 28.7827, 49.9048

Rectangle

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



33.2419, 28.7827, 77.9323



41.8077, 28.7827, 41.6624



22.2113, 28.7827, 8.4173



16.6913, 28.7827, 22.8803

Sweetspot

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



33.2430, 28.7837, 77.9330



75.7664, 76.8349, 105.4450



52.1010, 66.8446, 83.1560



15.8092, 15.9557, 22.4965



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.



33.2430, 28.7837, 77.9330



35.4325, 28.3075, 98.2041



41.9927, 33.0848, 78.3020



13.5952, 13.9118, 18.1130



8.1070, 3.2760, 42.5882



0.6035, 0.2509, 3.1486

Inverse Universe

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



45.6336, 36.0739, 28.2255



53.3525, 38.8879, 26.3059



52.2435, 68.0136, 33.6686



14.3833, 14.3705, 14.9527



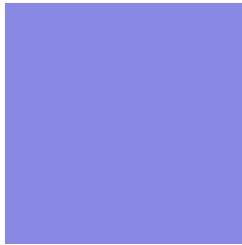
18.4855, 9.5284, 0.9199



1.3682, 0.7050, 0.0797

Previews

White Background



This preview shows how the XYZ color 33.2419, 28.7827, 77.9323 looks on a white background.

Color Contrast Check

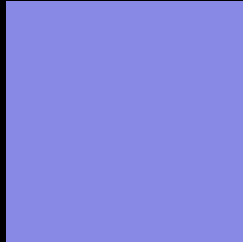
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2419, 28.7827, 77.9323 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 33.2419, 28.7827, 77.9323

Background



This preview shows how black text looks on a background with the XYZ color 33.2419, 28.7827, 77.9323.



This preview shows how white text looks on a background with the XYZ color 33.2419, 28.7827,

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

33.2419, 28.7827, 77.9323

Protanopia

31.2293, 28.9649, 81.7867

Deuteranopia

29.7375, 28.9874, 76.7008



Tritanopia

25.4232, 28.7706, 38.8637

Trichromacy



Original Color

33.2419, 28.7827, 77.9323

Protanomaly

31.8361, 28.8690, 80.2383

Deuteranomaly

30.8963, 28.8912, 77.3469

Tritanomaly

27.8527, 28.5812, 51.0624

Monochromacy



Original Color

33.2419, 28.7827, 77.9323

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.0860, 28.6589, 45.5937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2419, 28.7827, 77.9323 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(136, 137, 229)` looks like.

```
.text, #text, p{  
    color:rgb(136, 137, 229)  
}
```

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(136, 137, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 137, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.2419, 28.7827, 77.9323 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(136, 137, 229) }
```


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

```
.border{ border-color:rgb(136, 137, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 137, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 137, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 137, 229);  
box-shadow:4px 4px 4px 4px rgb(136, 137,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2419, 28.7827, 77.9323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 137, 229) }
```

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

```
.background{ background-color: rgb(136,  
137, 229) }
```

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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