

Converting Colors

XYZ(32.9715, 29.4795, 78.0505)

Have a look what the booklet for
XYZ(32.9715, 29.4795, 78.0505)
contains.

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Color

**XYZ(33.0278, 29.5322,
78.0883)**

Conversions

Conversions Part 1

Format	Color
Hex	838DE5
RGB	131, 141, 229
RGB Percent	51%, 55%, 90%
CMY	0.4863, 0.4470, 0.1020
CMYK	0.43, 0.38, 0.00, 0.10
HSL	234°, 65%, 71%
HSV	234°, 43%, 90%
XYZ	33.0278, 29.5322, 78.0883
YIQ	148.0420, -34.2080, 25.2480

Conversions

Conversions Part 2

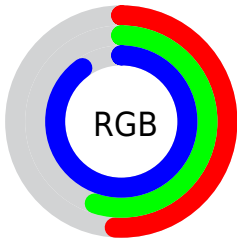
Format	Color
R_{YB}	131, 140, 229
Decimal	8621541
CIE _{Lab}	61.25, 18.55, -45.83
CIE _{LCh}	61, 49.447, 292.037
Yxy	29.5322, 0.2348, 0.2100
Android (android.graphics.Color)	4286811621 (0xFF838DE5)
YUV	148.0420, 39.9123, -14.9458
Hunter-Lab	54.3435, 13.3839, -47.1556

Details

The XYZ color **33.0278, 29.5322, 78.0883** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.7426, 68.9614, 31.5309**, and the grayscale version is **28.0158, 29.4748, 32.0981**.

A 20% lighter version of the original color is **58.0808, 56.4949, 102.4512**, and **14.1856, 11.9952, 41.1028** is the 20% darker color. If you saturate the color by 10%, you get **27.1093, 22.3906, 77.0223**, and if you desaturate by 10%, it is **40.2952, 38.2059, 79.3800**.

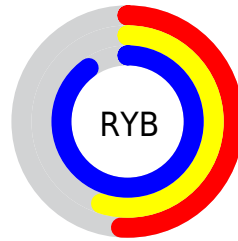
Distribution



Red (51%)

Green (55%)

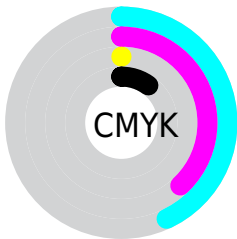
Blue (90%)



Red (51%)

Yellow (55%)

Blue (90%)

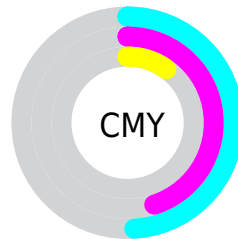


Cyan (43%)

Magenta (38%)

Yellow (0%)

Black (10%)



Cyan (49%)

Magenta (45%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0278, 29.5322, 78.0883 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 33.0278, 29.5322, 78.0883 by changing the saturation by 10% instead.

■ 33.0278, 29.5322,
78.0883

■ 33.0278, 29.5322,
78.0883

307.4378,
299.7178, 508.0025

■ 22.3071, 19.4838,
57.6296

■ 63.7733, 58.9216,
132.4616

■ 14.2006, 12.0204,
41.0982

■ 84.5288, 79.0314,
167.2133

■ 8.3429, 6.7576,
28.0756

■ 109.3600,
103.2637, 207.5664

■ 4.3688, 3.3109,
18.1431

138.6321,
132.0030, 253.9396

■ 1.9128, 1.2961,
10.8823

172.7106,
165.6337, 306.7512

■ 0.5843, 0.1382,
5.8746

211.9608,

■ 0.0000, 0.0000,

204.5401, 366.4199

2.7014

256.7481,
249.1067, 433.3641

■ 0.0000, 0.0000,
0.9441

■ 0.0000, 0.0000,
0.0000

■ 33.0278, 29.5322,
78.0883

■ 33.0278, 29.5322,
78.0883

■ 27.1093, 22.3906,
77.0223

■ 40.2952, 38.2059,
79.3800

■ 22.4530, 16.6884,
76.1671

■ 48.9844, 48.4904,
80.9072

■ 18.9672, 12.3282,
75.5092

■ 59.1671, 60.4631,
82.6814

■ 16.5461, 9.1985,
75.0328

■ 70.9091, 74.1953,
84.7131

■ 15.0644, 7.1699,
74.7193

■ 84.2722, 89.7541,
87.0120

■ 14.4566, 6.2845,
74.5804

■ 91.1430, 98.4372,
88.3259

Harmonies

Analogous

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



26.3725, 29.5322, 82.2639



33.0278, 29.5322, 78.0883



39.1281, 29.5322, 59.6013

Triad

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



33.0278, 29.5322, 78.0883



36.4863, 29.5322, 11.3778



17.4169, 29.5322, 27.4448

Complementary

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



33.0278, 29.5322, 78.0883



61.7426, 68.9614, 31.5309

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.



19.3195, 29.5322, 14.7728



33.0278, 29.5322, 78.0883



29.8378, 29.5322, 8.1295

Square

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



33.0278, 29.5322, 78.0883



41.3300, 29.5322, 20.5028



23.6340, 29.5322, 9.0719



18.0002, 29.5322, 47.5519

Rectangle

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



33.0278, 29.5322, 78.0883



41.7248, 29.5322, 44.5137



23.6340, 29.5322, 9.0719



17.7751, 29.5322, 22.3267

Sweetspot

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



33.0289, 29.5333, 78.0890



75.1163, 76.7020, 105.4536



49.9787, 65.9041, 76.1202



15.4269, 15.6534, 22.4583



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.



33.0289, 29.5333, 78.0890



35.6200, 29.8159, 98.4854



38.5298, 30.2784, 77.9429



13.7006, 14.1225, 18.1482



8.3059, 3.6740, 42.6545



0.6540, 0.3520, 3.1654

Inverse Universe

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



45.2381, 34.8150, 29.5359



53.1706, 37.7559, 28.6130



53.7121, 68.8108, 31.9251



14.4364, 14.3918, 15.2327



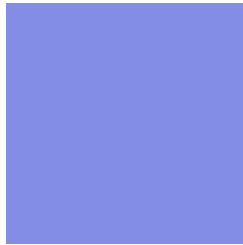
18.5860, 9.5686, 1.4487



1.3937, 0.7152, 0.2140

Previews

White Background



This preview shows how the XYZ color 33.0278, 29.5322, 78.0883 looks on a white background.

Color Contrast Check

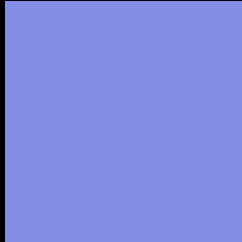
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0278, 29.5322, 78.0883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

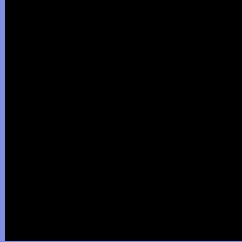
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0278, 29.5322, 78.0883

Background



This preview shows how black text looks on a background with the XYZ color 33.0278, 29.5322, 78.0883.



This preview shows how white text looks on a background with the XYZ color 33.0278, 29.5322,

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

33.0278, 29.5322, 78.0883

Protanopia

31.7611, 29.7218, 80.4068

Deuteranopia

30.5007, 29.5947, 77.5036



Tritanopia

25.5088, 29.5092, 40.4278

Trichromacy



Original Color

33.0278, 29.5322, 78.0883

Protanomaly

32.2822, 29.7810, 79.6482

Deuteranomaly

31.3314, 29.5652, 77.4541

Tritanomaly

27.8179, 29.2340, 52.3207

Monochromacy



Original Color

33.0278, 29.5322, 78.0883

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.2165, 29.1759, 45.6866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0278, 29.5322, 78.0883 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(131, 141, 229)` looks like.

```
.text, #text, p{  
    color:rgb(131, 141, 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(131, 141, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 141, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.0278, 29.5322, 78.0883 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(131, 141, 229) }
```


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

```
.border{ border-color:rgb(131, 141, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 141, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 141, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 141, 229);  
box-shadow:4px 4px 4px 4px rgb(131, 141,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0278, 29.5322, 78.0883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 141, 229) }
```

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

```
.background{ background-color: rgb(131,  
141, 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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