

Converting Colors

XYZ(32.2818, 17.3834, 78.0359)

Have a look what the booklet for
XYZ(32.2818, 17.3834, 78.0359)
contains.

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Color

**XYZ(32.3298, 17.3827,
77.9952)**

Conversions

Conversions Part 1

Format	Color
Hex	A83CE8
RGB	168, 60, 232
RGB Percent	66%, 24%, 91%
CMY	0.3412, 0.7647, 0.0902
CMYK	0.28, 0.74, 0.00, 0.09
HSL	278°, 79%, 57%
HSV	278°, 74%, 91%
XYZ	32.3298, 17.3827, 77.9952
YIQ	111.9000, 9.1560, 76.3880

Conversions

Conversions Part 2

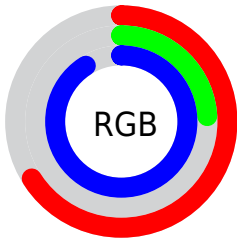
Format	Color
R_{YB}	168, 60, 232
Decimal	11025640
CIE _{Lab}	48.74, 69.98, -67.33
CIE _{LCh}	49, 97.113, 316.105
Yxy	17.3827, 0.2532, 0.1361
Android (android.graphics.Color)	4289215720 (0xFFA83CE8)
YUV	111.9000, 59.2093, 49.1997
Hunter-Lab	41.6926, 65.4528, -81.7303

Details

The XYZ color **32.3298, 17.3827, 77.9952** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **37.9845, 62.3248, 14.3032**, and the grayscale version is **15.2029, 15.9946, 17.4181**.

A 20% lighter version of the original color is **56.4062, 36.4366, 98.6678**, and **14.1683, 6.4101, 41.0480** is the 20% darker color. If you saturate the color by 10%, you get **29.5927, 14.5460, 77.5923**, and if you desaturate by 10%, it is **35.7228, 21.3481, 78.5821**.

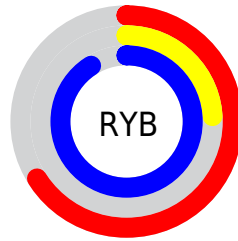
Distribution



Red (66%)

Green (24%)

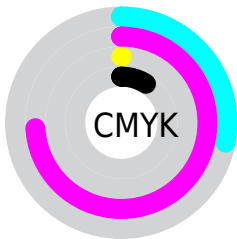
Blue (91%)



Red (66%)

Yellow (24%)

Blue (91%)

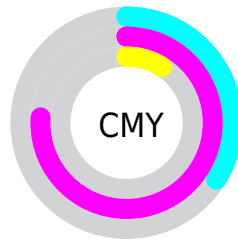


Cyan (28%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (34%)


Magenta (76%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3298, 17.3827, 77.9952 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 32.3298, 17.3827, 77.9952 by changing the saturation by 10% instead.

 32.3298, 17.3827,
77.9952


 32.3298, 17.3827,
77.9952


304.3375,
237.3682, 507.6780

 21.7703, 10.5077,
57.5536


 62.6895, 38.9826,
132.3292


 13.8039, 5.7369,
41.0376


 83.2203, 54.4763,
167.0586

 8.0652, 2.6857,
28.0285

 107.8057, 73.6117,
207.3878

 4.1888, 0.9700,
18.1079

 136.8109, 96.7733,
253.7352

 1.8095, 0.0000,
10.8573

 170.6014,
124.3453, 306.5194

 0.5234, 0.0000,
5.8580

209.5424,

 0.0000, 0.0000,

156.7122, 366.1589

2.6915

253.9993,
194.2584, 433.0722

■ 0.0000, 0.0000,
0.9392

■ 0.0000, 0.0000,
0.0000

■ 32.3298, 17.3827,
77.9952

■ 32.3298, 17.3827,
77.9952

■ 29.5927, 14.5460,
77.5923

■ 35.7228, 21.3481,
78.5821

■ 27.4313, 12.6840,
77.3468

■ 39.8334, 26.5650,
79.3724

■ 26.3624, 11.9077,
77.2533

■ 44.7179, 33.1420,
80.3845

■ 50.4259, 41.1750,
81.6341

57.0025, 50.7510,
83.1359

64.4894, 61.9503,
84.9029

72.9251, 74.8471,
86.9477

82.3462, 89.5113,
89.2816

88.2243, 96.8837,
90.3948

Harmonies

Analogous

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



21.7835, 17.3827, 117.1175



32.3298, 17.3827, 77.9952



39.5604, 17.3827, 33.4416

Triad

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



32.3298, 17.3827, 77.9952



21.0199, 17.3827, 0.0000



4.8728, 17.3827, 36.2041

Complementary

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



32.3298, 17.3827, 77.9952



37.9845, 62.3248, 14.3032

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.



4.7969, 17.3827, 9.3694



32.3298, 17.3827, 77.9952



12.1838, 17.3827, 0.0000

Square

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



32.3298, 17.3827, 77.9952



31.5994, 17.3827, 0.9825



6.9483, 17.3827, 1.1822



7.2157, 17.3827, 81.5096

Rectangle

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



32.3298, 17.3827, 77.9952



40.2932, 17.3827, 14.1441



6.9483, 17.3827, 1.1822



4.6207, 17.3827, 24.6818

Sweetspot

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



32.3306, 17.3833, 77.9956



72.4236, 65.5346, 103.4401



23.8817, 21.6920, 79.2726



14.9894, 13.2692, 22.0211



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.



32.3306, 17.3833, 77.9956



35.1645, 16.6610, 95.9703



46.7702, 25.1380, 64.6308



14.4481, 14.3332, 18.1494



14.7789, 6.6847, 42.8945



1.1939, 0.5465, 3.1745

Inverse Universe

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



38.5329, 21.8430, 21.2538



44.6087, 23.2738, 17.6149



32.1709, 59.2544, 17.3444



14.5976, 14.4562, 16.0816



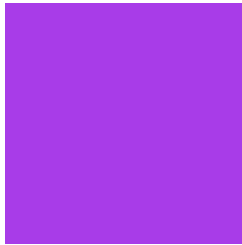
19.4707, 9.9225, 6.1079



1.4826, 0.7507, 0.6818

Previews

White Background



This preview shows how the XYZ color 32.3298, 17.3827, 77.9952 looks on a white background.

Color Contrast Check

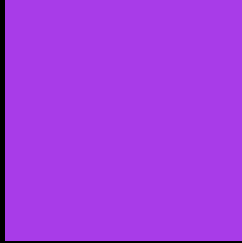
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3298, 17.3827, 77.9952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

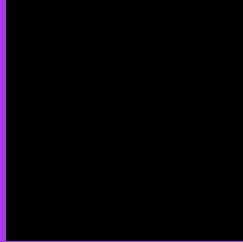
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.3298, 17.3827, 77.9952

Background



This preview shows how black text looks on a background with the XYZ color 32.3298, 17.3827, 77.9952.



This preview shows how white text looks on a background with the XYZ color 32.3298, 17.3827,

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

32.3298, 17.3827, 77.9952

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.7409, 17.4619, 61.4669



Tritanopia

20.0877, 17.3664, 17.6225

Trichromacy



Original Color

32.3298, 17.3827, 77.9952



Protanomaly

20.8342, 14.8190, 80.3595



Deuteranomaly

18.5938, 14.4994, 66.7844



Tritanomaly

23.0080, 16.3483, 33.3954

Monochromacy



Original Color

32.3298, 17.3827, 77.9952



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.4308, 15.1345, 33.3496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3298, 17.3827, 77.9952 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(168, 60, 232)` looks like.

```
.text, #text, p{  
    color:rgb(168, 60, 232)  
}
```

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(168, 60, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 60, 232) }
```

Border

The CSS property to change the border of an element to XYZ 32.3298, 17.3827, 77.9952 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(168, 60, 232) }
```


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

```
.border{ border-color:rgb(168, 60, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 60, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 60, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 60, 232);  
box-shadow:4px 4px 4px 4px rgb(168, 60,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3298, 17.3827, 77.9952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 60, 232) }
```

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

```
.background{ background-color: rgb(168, 60,  
232) }
```

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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