

Converting Colors

XYZ(32.3085, 16.4745, 73.4290)

Have a look what the booklet for
XYZ(32.3085, 16.4745, 73.4290)
contains.

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Color

**XYZ(32.3450, 16.4817,
73.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	AF2DE2
RGB	175, 45, 226
RGB Percent	69%, 18%, 89%
CMY	0.3137, 0.8235, 0.1137
CMYK	0.23, 0.80, 0.00, 0.11
HSL	283°, 76%, 53%
HSV	283°, 80%, 89%
XYZ	32.3450, 16.4817, 73.4280
YIQ	104.5040, 19.3790, 83.8510

Conversions

Conversions Part 2

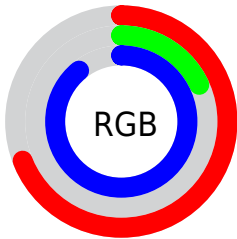
Format	Color
R_{YB}	175, 45, 226
Decimal	11480546
CIE Lab	47.60, 74.94, -65.73
CIE LCh	48, 99.684, 318.746
Yxy	16.4817, 0.2646, 0.1348
Android (android.graphics.Color)	4289670626 (0xFFAF2DE2)
YUV	104.5040, 59.8975, 61.8250
Hunter-Lab	40.5977, 71.1688, -78.8180

Details

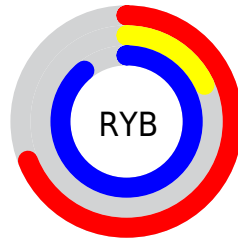
The XYZ color **32.3450, 16.4817, 73.4280** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **32.4943, 57.0693, 11.7859**, and the grayscale version is **13.1347, 13.8187, 15.0486**.

A 20% lighter version of the original color is **57.5686, 35.3976, 98.4060**, and **14.3639, 6.5776, 38.0487** is the 20% darker color. If you saturate the color by 10%, you get **30.3061, 14.4750, 73.1484**, and if you desaturate by 10%, it is **34.9138, 19.4461, 73.8651**.

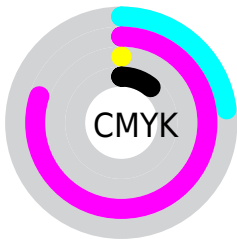
Distribution



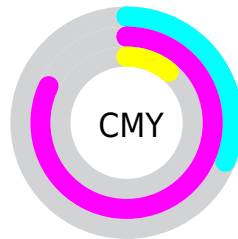
- Red (69%)
- Green (18%)
- Blue (89%)



- Red (69%)
- Yellow (18%)
- Blue (89%)



- Cyan (23%)
- Magenta (80%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (82%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3450, 16.4817, 73.4280 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 32.3450, 16.4817, 73.4280 by changing the saturation by 10% instead.

■ 32.3450, 16.4817,
73.4280

■ 32.3450, 16.4817,
73.4280

304.4053,
232.1676, 491.6073

■ 21.7820, 9.8657,
53.8321

■ 62.7131, 37.4325,
125.8112

■ 13.8125, 5.3100,
38.0751

■ 83.2489, 52.5360,
159.4355

■ 8.0712, 2.4303,
25.7387

■ 107.8396, 71.2374,
198.5730

■ 4.1927, 0.8414,
16.4043

■ 136.8507, 93.9212,
243.6422

■ 1.8117, 0.0000,
9.6532

■ 170.6474,
120.9717, 295.0617

■ 0.5247, 0.0000,
5.0671

209.5952,

■ 0.0000, 0.0000,

152.7734, 353.2501

2.2272

254.0594,
189.7105, 418.6258

■ 0.0000, 0.0000,
0.6900

■ 0.0000, 0.0000,
0.0000

■ 32.3450, 16.4817,
73.4280

■ 32.3450, 16.4817,
73.4280

■ 30.3061, 14.4750,
73.1484

■ 34.9138, 19.4461,
73.8651

■ 28.6933, 13.2061,
72.9885

■ 38.0755, 23.4960,
74.4802

■ 41.8862, 28.7410,
75.2917

■ 46.3942, 35.2767,
76.3156

■ 51.6430, 43.1888,
77.5662

■ 57.6724, 52.5556,
79.0564

■ 64.5192, 63.4493,
80.7982

■ 72.2176, 75.9373,
82.8029

■ 80.7998, 90.0830,
85.0809

Harmonies

Analogous

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



21.8242, 16.4817, 115.6353



32.3450, 16.4817, 73.4280



39.1137, 16.4817, 29.2917

Triad

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



32.3450, 16.4817, 73.4280



19.2427, 16.4817, 0.0000



4.4155, 16.4817, 38.7171

Complementary

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



32.3450, 16.4817, 73.4280



32.4943, 57.0693, 11.7859

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.



4.1717, 16.4817, 9.9888



32.3450, 16.4817, 73.4280



10.7902, 16.4817, 0.0000

Square

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



32.3450, 16.4817, 73.4280



29.8516, 16.4817, 0.4983



6.0100, 16.4817, 1.1534



6.8829, 16.4817, 85.6148

Rectangle

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



32.3450, 16.4817, 73.4280



39.3532, 16.4817, 11.4851



6.0100, 16.4817, 1.1534



4.1182, 16.4817, 26.4638

Sweetspot

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



32.3458, 16.4823, 73.4284



72.4754, 63.8496, 103.1121



19.0189, 14.4671, 73.7418



14.9112, 12.7342, 21.9220



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.



32.3458, 16.4823, 73.4284



38.4164, 17.8836, 96.0349



41.2493, 21.6245, 48.8927



13.8989, 13.7315, 17.3056



16.4909, 7.5967, 41.6455



1.2292, 0.5709, 2.8907

Inverse Universe

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



34.4141, 18.8905, 12.8993



42.7684, 22.0485, 9.4323



29.8877, 55.5945, 17.5883



13.8652, 13.7637, 15.0603



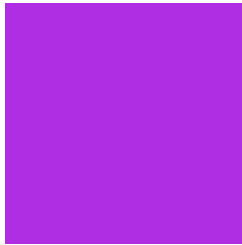
18.4598, 9.4509, 3.8212



1.3172, 0.6701, 0.4631

Previews

White Background



This preview shows how the XYZ color 32.3450, 16.4817, 73.4280 looks on a white background.

Color Contrast Check

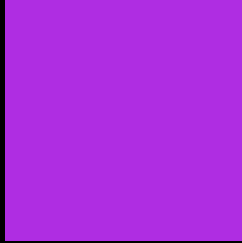
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3450, 16.4817, 73.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

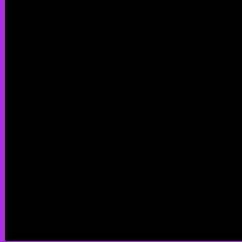
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.3450, 16.4817, 73.4280

Background



This preview shows how black text looks on a background with the XYZ color 32.3450, 16.4817, 73.4280.



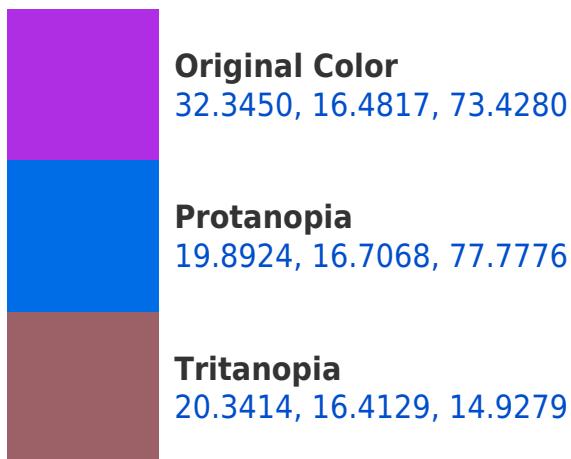
This preview shows how white text looks on a background with the XYZ color 32.3450, 16.4817,

73.4280.

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



Trichromacy



Original Color

32.3450, 16.4817, 73.4280



Protanomaly

19.5850, 13.4027, 75.6835



Tritanomaly

23.1034, 15.2324, 29.7394

Monochromacy



Original Color

32.3450, 16.4817, 73.4280



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

17.7240, 13.1023, 30.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3450, 16.4817, 73.4280 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(175, 45, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 45, 226)  
}
```

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(175, 45, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 45, 226) }
```

Border

The CSS property to change the border of an element to XYZ 32.3450, 16.4817, 73.4280 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(175, 45, 226) }
```

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

```
.border{ border-color:rgb(175, 45, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 45, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 45, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 45, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 45,  
226) }
```


Background

The CSS property to change the background color of an element to XYZ 32.3450, 16.4817, 73.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 45, 226) }
```

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

```
.background{ background-color: rgb(175, 45,  
226) }
```

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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