

Converting Colors

XYZ(32.4662, 15.1764, 72.0239)

Have a look what the booklet for
XYZ(32.4662, 15.1764, 72.0239)
contains.

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Color

**XYZ(32.5106, 15.2056,
71.7425)**

Conversions

Conversions Part 1

Format	Color
Hex	B500E0
RGB	181, 0, 224
RGB Percent	71%, 0%, 88%
CMY	0.2902, 0.9999, 0.1216
CMYK	0.19, 1.00, 0.00, 0.12
HSL	288°, 100%, 44%
HSV	288°, 100%, 88%
XYZ	32.5106, 15.2056, 71.7425
YIQ	79.6550, 35.9720, 108.0360

Conversions

Conversions Part 2

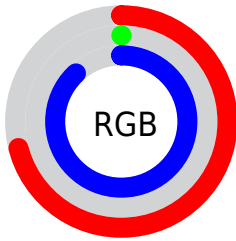
Format	Color
RYB	181, 0, 224
Decimal	11862240
CIELab	45.91, 82.80, -67.29
CIELCh	46, 106.694, 320.903
Yxy	15.2056, 0.2721, 0.1273
Android (android.graphics.Color)	4290052320 (0xFFB500E0)
YUV	79.6550, 71.1621, 88.8796
Hunter-Lab	38.9944, 80.5799, -81.7867

Details

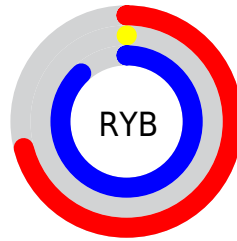
The XYZ color **32.5106, 15.2056, 71.7425** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **27.6527, 53.8254, 8.9323**, and the grayscale version is **7.4221, 7.8086, 8.5035**.

A 20% lighter version of the original color is **58.3241, 33.4096, 97.9824**, and **15.0939, 6.9647, 37.5946** is the 20% darker color. If you saturate the color by 10%, you get **32.5105, 15.2055, 71.7428**, and if you desaturate by 10%, it is **33.8301, 16.3236, 71.8890**.

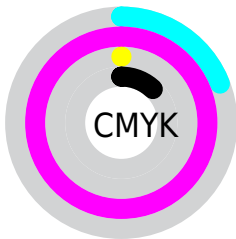
Distribution



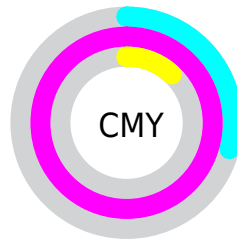
- Red (71%)
- Green (0%)
- Blue (88%)



- Red (71%)
- Yellow (0%)
- Blue (88%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (29%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5106, 15.2056, 71.7425 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 32.5106, 15.2056, 71.7425 by changing the saturation by 10% instead.

 32.5106, 15.2056,
71.7425

 32.5106, 15.2056,
71.7425


305.1428,
224.6073, 485.5983


 21.9092, 8.9638,
52.4628


 62.9705, 35.2135,
123.3947


 13.9065, 4.7176,
36.9893


 83.5598, 49.7483,
156.6042


 8.1369, 2.0825,
24.9035


 108.2090, 67.8163,
195.2942

 4.2352, 0.6548,
15.7868

 137.2836, 89.8019,
239.8830

 1.8360, 0.0000,
9.2207

 171.1490,
116.0893, 290.7893

 0.5392, 0.0000,
4.7866

 210.1704,

 0.0000, 0.0000,

147.0631, 348.4316

2.0661

254.7132,
183.1077, 413.2284

■ 0.0000, 0.0000,
0.5955

■ 0.0000, 0.0000,
0.0000

■ 32.5106, 15.2056,
71.7425

■ 32.5106, 15.2056,
71.7425

■ 32.5105, 15.2055,
71.7428

■ 33.8301, 16.3236,
71.8890

■ 35.5220, 18.1406,
72.1506

■ 37.6977, 20.8782,
72.5643

■ 40.4206, 24.6628,
73.1513

■ 43.7439, 29.6004,
73.9292

■ 47.7143, 35.7841,
74.9135

■ 52.3738, 43.2975,
76.1181

■ 57.7608, 52.2166,
77.5558

■ 63.9104, 62.6120,
79.2382

Harmonies

Analogous

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



21.5610, 15.2056, 119.7111



32.5106, 15.2056, 71.7425



39.2143, 15.2056, 25.7112

Triad

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



32.5106, 15.2056, 71.7425



17.3700, 15.2056, 0.0000



3.5542, 15.2056, 41.3350

Complementary

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



32.5106, 15.2056, 71.7425



27.6527, 53.8254, 8.9323

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.



3.2042, 15.2056, 9.8822



32.5106, 15.2056, 71.7425



9.1082, 15.2056, 0.0000

Square

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



32.5106, 15.2056, 71.7425



28.3717, 15.2056, 0.0000



4.7422, 15.2056, 0.8304



6.0455, 15.2056, 92.6948

Rectangle

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



32.5106, 15.2056, 71.7425



39.0301, 15.2056, 8.8298



4.7422, 15.2056, 0.8304



3.2390, 15.2056, 27.8329

Sweetspot

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



32.5114, 15.2062, 71.7428



70.1121, 57.8405, 102.0768



14.3860, 7.2444, 71.1614



14.4157, 11.4198, 21.6944



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.



32.5114, 15.2062, 71.7428



43.5169, 20.3487, 96.2418



36.8099, 18.2753, 33.3984



14.0237, 13.7957, 17.3114



19.0166, 8.8987, 41.7637



1.3852, 0.6514, 2.8980

Inverse Universe

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



31.1770, 16.0222, 3.7362



41.7934, 21.4813, 4.8440



27.6754, 53.7194, 14.2536



13.8142, 13.7433, 14.7919



18.1787, 9.3385, 2.3409



1.2912, 0.6598, 0.3264

Previews

White Background



This preview shows how the XYZ color 32.5106, 15.2056, 71.7425 looks on a white background.

Color Contrast Check

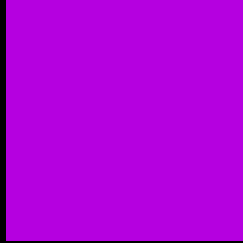
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5106, 15.2056, 71.7425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

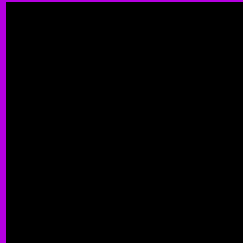
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5106, 15.2056, 71.7425

Background



This preview shows how black text looks on a background with the XYZ color 32.5106, 15.2056, 71.7425.



This preview shows how white text looks on a background with the XYZ color 32.5106, 15.2056,

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

32.5106, 15.2056, 71.7425

Protanopia

18.8483, 15.9516, 73.3197

Deuteranopia

15.9832, 15.8415, 55.0386



Tritanopia

20.6144, 15.5741, 12.5093

Trichromacy



Original Color

32.5106, 15.2056, 71.7425

Protanomaly

17.9045, 10.7287, 72.3613

Deuteranomaly

15.8266, 10.2980, 60.1850

Tritanomaly

22.7995, 13.2975, 26.5643

Monochromacy



Original Color

32.5106, 15.2056, 71.7425

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.6848, 7.8155, 22.6698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5106, 15.2056, 71.7425 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(181, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 224)  
}
```

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(181, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 32.5106, 15.2056, 71.7425 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(181, 0, 224) }
```


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

```
.border{ border-color:rgb(181, 0, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5106, 15.2056, 71.7425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 224) }
```

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

```
.background{ background-color: rgb(181, 0,  
224) }
```

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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