

Converting Colors

XYZ(32.1796, 14.7560, 84.3717)

Have a look what the booklet for
XYZ(32.1796, 14.7560, 84.3717)
contains.

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Color

**XYZ(32.2394, 14.7859,
84.3738)**

Conversions

Conversions Part 1

Format	Color
Hex	A900F1
RGB	169, 0, 241
RGB Percent	66%, 0%, 95%
CMY	0.3372, 1.0000, 0.0549
CMYK	0.30, 1.00, 0.00, 0.05
HSL	282°, 100%, 47%
HSV	282°, 100%, 95%
XYZ	32.2394, 14.7859, 84.3738
YIQ	78.0050, 23.3630, 110.7790

Conversions

Conversions Part 2

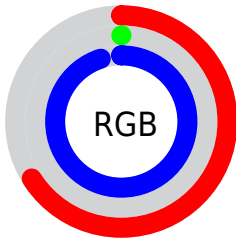
Format	Color
R_{YB}	169, 0, 241
Decimal	11075825
CIE _{Lab}	45.34, 84.31, -77.94
CIE _{LCh}	45, 114.816, 317.246
Yxy	14.7859, 0.2454, 0.1125
Android (android.graphics.Color)	4289265905 (0xFFA900F1)
YUV	78.0050, 80.3565, 79.8026
Hunter-Lab	38.4524, 82.3667, -103.1797

Details

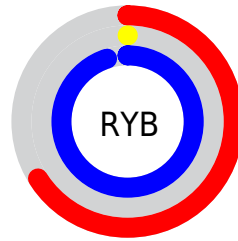
The XYZ color **32.2394, 14.7859, 84.3738** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **34.1280, 64.2886, 10.6104**, and the grayscale version is **7.0939, 7.4633, 8.1275**.

A 20% lighter version of the original color is **54.2555, 31.1878, 97.7680**, and **14.7316, 6.6070, 45.2986** is the 20% darker color. If you saturate the color by 10%, you get **32.2399, 14.7861, 84.3741**, and if you desaturate by 10%, it is **34.1565, 16.2623, 84.5580**.

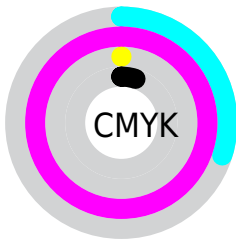
Distribution



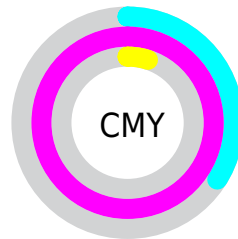
- Red (66%)
- Green (0%)
- Blue (95%)



- Red (66%)
- Yellow (0%)
- Blue (95%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (34%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2394, 14.7859, 84.3738 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 32.2394, 14.7859, 84.3738 by changing the saturation by 10% instead.


 32.2394, 14.7859,
84.3738


 32.2394, 14.7859,
84.3738


303.9343,
222.0666, 529.6442

 21.7009, 8.6693,
62.7769


 62.5489, 34.4771,
141.3643

 13.7526, 4.5261,
45.2209


 83.0505, 48.8205,
177.5951


 8.0294, 1.9720,
31.2873


 107.6039, 66.6750,
219.5408

 4.1657, 0.5911,
20.5574

 136.5743, 88.4249,
267.6202

 1.7963, 0.0000,
12.6128

 170.3273,
114.4546, 322.2517

 0.5154, 0.0000,
7.0349

 209.2280,

 0.0000, 0.0000,

145.1485, 383.8538

3.4051

253.6419,
180.8911, 452.8451

■ 0.0000, 0.0000,
1.3050

■ 0.0000, 0.0000,
0.0659

■ 32.2394, 14.7859,
84.3738

■ 32.2394, 14.7859,
84.3738

■ 32.2399, 14.7861,
84.3741

■ 34.1565, 16.2623,
84.5580

■ 36.5671, 18.5984,
84.8819

■ 39.6005, 22.0501,
85.3883

■ 43.3339, 26.7697,
86.1025

■ 47.8322, 32.8852,
87.0458

■ 53.1522, 40.5084,
88.2368

■ 59.3450, 49.7398,
89.6923

■ 66.4574, 60.6710,
91.4273

■ 74.5324, 73.3867,
93.4561

Harmonies

Analogous

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



20.2103, 14.7859, 136.0442



32.2394, 14.7859, 84.3738



40.5415, 14.7859, 30.6716

Triad

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



32.2394, 14.7859, 84.3738



18.4955, 14.7859, 0.0000



2.8173, 14.7859, 37.1849

Complementary

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



32.2394, 14.7859, 84.3738



34.1280, 64.2886, 10.6104

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.



2.6920, 14.7859, 7.0761



32.2394, 14.7859, 84.3738



9.2944, 14.7859, 0.0000

Square

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



32.2394, 14.7859, 84.3738



30.5066, 14.7859, 0.0000



4.4411, 14.7859, 0.0159



4.9286, 14.7859, 93.4479

Rectangle

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



32.2394, 14.7859, 84.3738



41.1639, 14.7859, 10.3503



4.4411, 14.7859, 0.0159



2.5918, 14.7859, 23.6595

Sweetspot

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



32.2402, 14.7864, 84.3742



67.3961, 56.4403, 101.9497



18.2143, 11.0250, 84.3874



13.7625, 11.0830, 21.6638



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.



32.2402, 14.7864, 84.3742



36.5987, 16.7822, 95.9181



45.8793, 22.5423, 52.2689



15.9677, 15.7806, 19.9260



17.6252, 8.0915, 45.7607



1.5659, 0.7245, 3.8115

Inverse Universe

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



37.4456, 19.1688, 7.8575



42.5508, 21.7843, 8.8326



31.9932, 63.1259, 13.3167



15.9671, 15.8366, 17.3831



20.3575, 10.4154, 4.5330



1.7358, 0.8834, 0.5995

Previews

White Background



This preview shows how the XYZ color 32.2394, 14.7859, 84.3738 looks on a white background.

Color Contrast Check

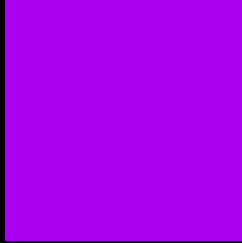
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2394, 14.7859, 84.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

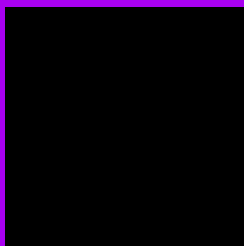
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2394, 14.7859, 84.3738

Background



This preview shows how black text looks on a background with the XYZ color 32.2394, 14.7859, 84.3738.



This preview shows how white text looks on a background with the XYZ color 32.2394, 14.7859,

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

32.2394, 14.7859, 84.3738

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.3086, 15.3941, 52.0337



Tritanopia

18.0287, 14.9647, 14.2502

Trichromacy



Original Color

32.2394, 14.7859, 84.3738



Protanomaly

17.9352, 10.6078, 74.5010



Deuteranomaly

15.8106, 10.1517, 62.0989



Tritanomaly

20.6098, 12.3687, 31.0069

Monochromacy



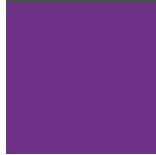
Original Color

32.2394, 14.7859, 84.3738



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.2115, 7.4669, 24.4645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2394, 14.7859, 84.3738 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(169, 0, 241)` looks like.

```
.text, #text, p{  
    color:rgb(169, 0, 241)  
}
```

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(169, 0, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 0, 241) }
```

Border

The CSS property to change the border of an element to XYZ 32.2394, 14.7859, 84.3738 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(169, 0, 241) }
```


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

```
.border{ border-color:rgb(169, 0, 241) }
```

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

Here you see how a box with a 4 pixel rgb(169, 0, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 0, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 0, 241);  
box-shadow:4px 4px 4px 4px rgb(169, 0,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2394, 14.7859, 84.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 0, 241) }
```

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

```
.background{ background-color: rgb(169, 0,  
241) }
```

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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