

Converting Colors

XYZ(32.1170, 14.5189, 93.5795)

Have a look what the booklet for
XYZ(32.1170, 14.5189, 93.5795)
contains.

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Color

**XYZ(32.0679, 14.5019,
93.2044)**

Conversions

Conversions Part 1

Format	Color
Hex	A000FC
RGB	160, 0, 252
RGB Percent	63%, 0%, 99%
CMY	0.3725, 1.0000, 0.0118
CMYK	0.37, 1.00, 0.00, 0.01
HSL	278°, 100%, 49%
HSV	278°, 100%, 99%
XYZ	32.0679, 14.5019, 93.2044
YIQ	76.5680, 14.4680, 112.2920

Conversions

Conversions Part 2

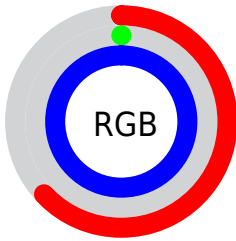
Format	Color
RYB	160, 0, 252
Decimal	10486012
CIELab	44.94, 85.39, -84.82
CIELCh	45, 120.359, 315.191
Yxy	14.5019, 0.2294, 0.1038
Android (android.graphics.Color)	4288676092 (0xFFA000FC)
YUV	76.5680, 86.4880, 73.1699
Hunter-Lab	38.0814, 83.6705, -118.4557

Details

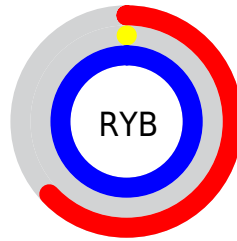
The XYZ color **32.0679, 14.5019, 93.2044** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **39.2240, 71.8963, 11.8101**, and the grayscale version is **6.8187, 7.1738, 7.8123**.

A 20% lighter version of the original color is **51.6639, 29.7290, 97.6230**, and **14.6674, 6.4364, 51.5082** is the 20% darker color. If you saturate the color by 10%, you get **32.0686, 14.5022, 93.2048**, and if you desaturate by 10%, it is **34.3286, 16.1898, 93.4114**.

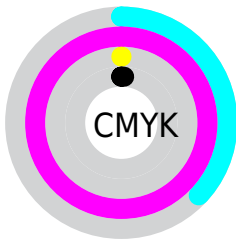
Distribution



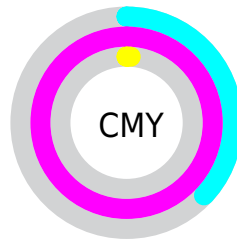
- Red (63%)
- Green (0%)
- Blue (99%)



- Red (63%)
- Yellow (0%)
- Blue (99%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (37%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0679, 14.5019, 93.2044 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 32.0679, 14.5019, 93.2044 by changing the saturation by 10% instead.


 32.0679, 14.5019,
93.2044


 32.0679, 14.5019,
93.2044


303.1682,
220.3312, 559.2373

 21.5692, 8.4706,
70.0528


 62.2820, 33.9770,
153.7557


 13.6555, 4.3975,
51.0925


 82.7281, 48.1895,
191.9925

 7.9615, 1.8983,
35.9050


 107.2206, 65.8978,
236.0948

 4.1220, 0.5474,
24.0717

 136.1250, 87.4864,
286.4811

 1.7714, 0.0000,
15.1741

 169.8066,
113.3397, 343.5699

 0.5003, 0.0000,
8.7937

 208.6308,

 0.0000, 0.0000,

143.8420, 407.7799

4.5119

252.9629,
179.3777, 479.5295

■ 0.0000, 0.0000,
1.9102

■ 0.0000, 0.0000,
0.4992

■ 32.0679, 14.5019,
93.2044

■ 32.0679, 14.5019,
93.2044

■ 32.0686, 14.5022,
93.2048

■ 34.3286, 16.1898,
93.4114

■ 37.1814, 18.8568,
93.7758

■ 40.7692, 22.7835,
94.3446

■ 45.1796, 28.1410,
95.1463

■ 50.4862, 35.0727,
96.2046

■ 56.7537, 43.7043,
97.5403

■ 64.0403, 54.1485,
99.1722

■ 72.3991, 66.5080,
101.1172

■ 81.8794, 80.8777,
103.3912

Harmonies

Analogous

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



19.3682, 14.5019, 147.3675



32.0679, 14.5019, 93.2044



41.4120, 14.5019, 34.1152

Triad

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



32.0679, 14.5019, 93.2044



19.2154, 14.5019, 0.0000



2.3926, 14.5019, 34.7032

Complementary

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



32.0679, 14.5019, 93.2044



39.2240, 71.8963, 11.8101

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.



2.3824, 14.5019, 5.5856



32.0679, 14.5019, 93.2044



9.3912, 14.5019, 0.0000

Square

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



32.0679, 14.5019, 93.2044



31.9112, 14.5019, 0.0000



4.2380, 14.5019, 0.0000



4.2788, 14.5019, 94.0433

Rectangle

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



32.0679, 14.5019, 93.2044



42.5711, 14.5019, 11.3719



4.2380, 14.5019, 0.0000



2.2154, 14.5019, 21.2259

Sweetspot

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



32.0688, 14.5023, 93.2048



65.7714, 55.6028, 101.8736



21.4328, 14.7523, 93.8136



13.3740, 10.8827, 21.6456



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.



32.0688, 14.5023, 93.2048



32.9316, 14.8917, 95.7464



52.8524, 25.7785, 68.7949



17.3427, 17.1893, 21.7891



16.8724, 7.6407, 48.5591



1.6790, 0.7676, 4.5029

Inverse Universe

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



42.0767, 21.4682, 12.0509



43.2199, 22.0519, 12.3558



35.0936, 69.7343, 13.0939



17.5065, 17.3300, 19.2570



21.9826, 11.2088, 6.6169



2.0849, 1.0577, 0.8707

Previews

White Background



This preview shows how the XYZ color 32.0679, 14.5019, 93.2044 looks on a white background.

Color Contrast Check

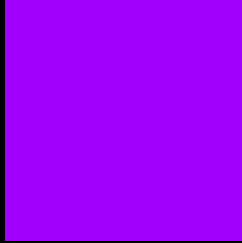
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0679, 14.5019, 93.2044 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 32.0679, 14.5019, 93.2044

Background



This preview shows how black text looks on a background with the XYZ color 32.0679, 14.5019, 93.2044.



This preview shows how white text looks on a background with the XYZ color 32.0679, 14.5019,

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

32.0679, 14.5019, 93.2044

Protanopia

17.7365, 15.0151, 68.9812

Deuteranopia

14.8697, 15.0430, 50.2640



Tritanopia

16.4849, 14.6815, 15.6006

Trichromacy



Original Color

32.0679, 14.5019, 93.2044



Protanomaly

18.1169, 10.5655, 76.6858



Deuteranomaly

15.8818, 10.1595, 63.4113



Tritanomaly

19.1360, 11.6992, 34.0505

Monochromacy



Original Color

32.0679, 14.5019, 93.2044



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.9694, 7.2455, 25.9670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0679, 14.5019, 93.2044 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(160, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 252)  
}
```

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(160, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 252) }
```

Border

The CSS property to change the border of an element to XYZ 32.0679, 14.5019, 93.2044 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(160, 0, 252) }
```


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

```
.border{ border-color:rgb(160, 0, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 0, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0679, 14.5019, 93.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 252) }
```

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

```
.background{ background-color: rgb(160, 0,  
252) }
```

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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