

Converting Colors

XYZ(32.6774, 14.7607, 95.7346)

Have a look what the booklet for
XYZ(32.6774, 14.7607, 95.7346)
contains.

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Color

**XYZ(32.7479, 14.7971,
95.7379)**

Conversions

Conversions Part 1

Format	Color
Hex	A100FF
RGB	161, 0, 255
RGB Percent	63%, 0%, 100%
CMY	0.3686, 1.0000, 0.0000
CMYK	0.37, 1.00, 0.00, 0.00
HSL	278°, 100%, 50%
HSV	278°, 100%, 100%
XYZ	32.7479, 14.7971, 95.7379
YIQ	77.2090, 14.1010, 113.4370

Conversions

Conversions Part 2

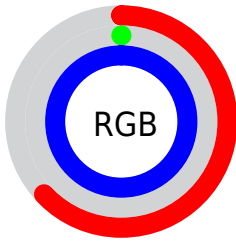
Format	Color
RYB	161, 0, 255
Decimal	10551551
CIELab	45.36, 86.06, -85.82
CIELCh	45, 121.539, 315.081
Yxy	14.7971, 0.2286, 0.1033
Android (android.graphics.Color)	4288741631 (0xFFA100FF)
YUV	77.2090, 87.6510, 73.4847
Hunter-Lab	38.4670, 84.6442, -120.6360

Details

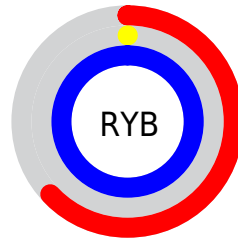
The XYZ color **32.7479, 14.7971, 95.7379** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **40.3760, 73.8996, 12.1361**, and the grayscale version is **6.9342, 7.2953, 7.9446**.

A 20% lighter version of the original color is **51.9711, 29.8874, 97.6374**, and **15.1150, 6.6279, 53.3060** is the 20% darker color. If you saturate the color by 10%, you get **32.7485, 14.7973, 95.7379**, and if you desaturate by 10%, it is **35.0734, 16.5280, 95.9494**.

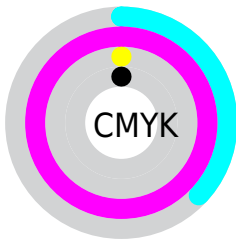
Distribution



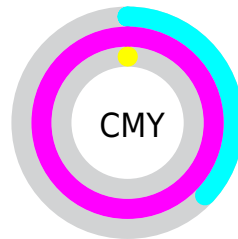
- Red (63%)
- Green (0%)
- Blue (100%)



- Red (63%)
- Yellow (0%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7479, 14.7971, 95.7379 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 32.7479, 14.7971, 95.7379 by changing the saturation by 10% instead.

 32.7479, 14.7971,
95.7379


 32.7479, 14.7971,
95.7379


306.1973,
222.1348, 567.5692


 22.0917, 8.6771,
72.1490


 63.3391, 34.4968,
157.2880


 14.0413, 4.5312,
52.7928


 84.0047, 48.8454,
196.0863


 8.2313, 1.9749,
37.2508


 108.7376, 66.7056,
240.7914

 4.2963, 0.5928,
25.1044

 137.9030, 88.4618,
291.8220

 1.8711, 0.0000,
15.9352

 171.8663,
114.4984, 349.5965

 0.5600, 0.0000,
9.3244

 210.9929,

 0.0000, 0.0000,

145.1999, 414.5335

4.8537

255.6481,
180.9505, 487.0515

■ 0.0000, 0.0000,
2.1044

■ 0.0000, 0.0000,
0.6184

■ 32.7479, 14.7971,
95.7379

■ 32.7479, 14.7971,
95.7379

■ 32.7485, 14.7973,
95.7379

■ 35.0734, 16.5280,
95.9494

■ 38.0105, 19.2676,
96.3234

■ 41.7059, 23.3032,
96.9076

■ 46.2495, 28.8111,
97.7312

■ 51.7176, 35.9392,
98.8189

■ 58.1766, 44.8168,
100.1920

■ 65.6867, 55.5599,
101.8698

■ 74.3025, 68.2744,
103.8699

■ 84.0749, 83.0580,
106.2083

Harmonies

Analogous

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



19.7367, 14.7971, 151.2134



32.7479, 14.7971, 95.7379



42.3536, 14.7971, 35.0544

Triad

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



32.7479, 14.7971, 95.7379



19.6702, 14.7971, 0.0000



2.4207, 14.7971, 35.3104

Complementary

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



32.7479, 14.7971, 95.7379



40.3760, 73.8996, 12.1361

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.



2.4163, 14.7971, 5.6265



32.7479, 14.7971, 95.7379



9.5982, 14.7971, 0.0000

Square

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



32.7479, 14.7971, 95.7379



32.6797, 14.7971, 0.0000



4.3172, 14.7971, 0.0000



4.3349, 14.7971, 96.1036

Rectangle

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



32.7479, 14.7971, 95.7379



43.5692, 14.7971, 11.6766



4.3172, 14.7971, 0.0000



2.2422, 14.7971, 21.5475

Sweetspot

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



32.7487, 14.7975, 95.7379



65.6858, 55.5587, 101.8696



22.3945, 15.9090, 96.4982



13.3535, 10.8722, 21.6447



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.



32.7487, 14.7975, 95.7379



32.7485, 14.7973, 95.7379



54.8648, 26.7100, 73.6772



18.1055, 17.9461, 22.7596



17.2820, 7.8197, 50.0331



1.8032, 0.8235, 4.8772

Inverse Universe

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



43.2604, 22.0682, 12.5690



43.2603, 22.0681, 12.5685



35.9912, 71.6125, 13.1374



18.2862, 18.0978, 20.1242



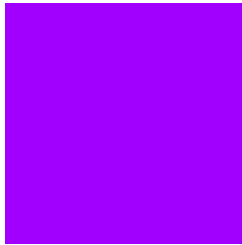
22.6701, 11.5573, 6.9130



2.2578, 1.1455, 0.9392

Previews

White Background



This preview shows how the XYZ color 32.7479, 14.7971, 95.7379 looks on a white background.

Color Contrast Check

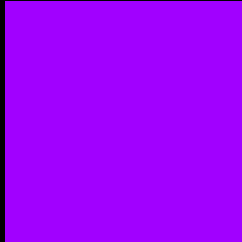
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7479, 14.7971, 95.7379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

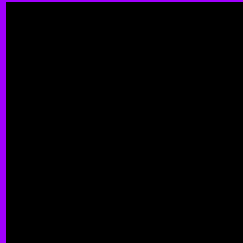
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7479, 14.7971, 95.7379

Background



This preview shows how black text looks on a background with the XYZ color 32.7479, 14.7971, 95.7379.



This preview shows how white text looks on a background with the XYZ color 32.7479, 14.7971,

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

32.7479, 14.7971, 95.7379

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.0884, 15.3060, 50.8743



Tritanopia

16.7267, 15.0814, 15.9393

Trichromacy



Original Color

32.7479, 14.7971, 95.7379



Protanomaly

18.5188, 10.8273, 78.2046



Deuteranomaly

16.1945, 10.2913, 64.7512



Tritanomaly

19.5941, 12.0796, 35.0171

Monochromacy



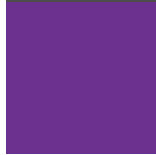
Original Color

32.7479, 14.7971, 95.7379



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.1651, 7.3378, 26.3663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7479, 14.7971, 95.7379 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(161, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 255)  
}
```

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(161, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7479, 14.7971, 95.7379 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(161, 0, 255) }
```


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

```
.border{ border-color:rgb(161, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(161, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7479, 14.7971, 95.7379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 255) }
```

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

```
.background{ background-color: rgb(161, 0,  
255) }
```

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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