

Converting Colors

XYZ(32.7530, 15.4179, 95.8574)

Have a look what the booklet for
XYZ(32.7530, 15.4179, 95.8574)
contains.

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Color

**XYZ(32.7633, 15.4214,
95.8576)**

Conversions

Conversions Part 1

Format	Color
Hex	9F1CFF
RGB	159, 28, 255
RGB Percent	62%, 11%, 100%
CMY	0.3765, 0.8902, 0.0000
CMYK	0.38, 0.89, 0.00, 0.00
HSL	275°, 100%, 55%
HSV	275°, 89%, 100%
XYZ	32.7633, 15.4214, 95.8576
YIQ	93.0470, 5.2090, 98.3690

Conversions

Conversions Part 2

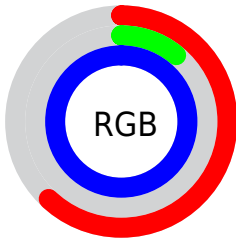
Format	Color
R _{YB}	159, 28, 255
Decimal	10427647
CIE _{Lab}	46.21, 82.45, -84.43
CIE _{LCh}	46, 118.012, 314.320
Y _{xy}	15.4214, 0.2275, 0.1071
Android (android.graphics.Color)	4288617727 (0xFF9F1CFF)
YUV	93.0470, 79.8428, 57.8408
Hunter-Lab	39.2701, 80.2011, -117.2368

Details

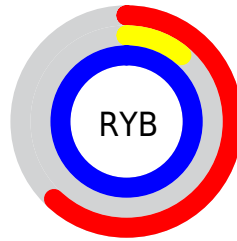
The XYZ color **32.7633, 15.4214, 95.8576** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **44.2811, 75.8886, 13.4127**, and the grayscale version is **10.2350, 10.7681, 11.7264**.

A 20% lighter version of the original color is **52.1435, 31.1415, 97.8704**, and **14.9019, 6.5180, 53.2960** is the 20% darker color. If you saturate the color by 10%, you get **30.3298, 13.5907, 95.6325**, and if you desaturate by 10%, it is **35.8777, 18.3344, 96.2557**.

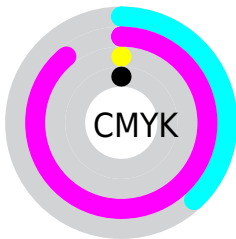
Distribution



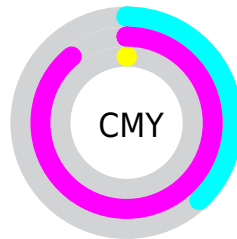
- Red (62%)
- Green (11%)
- Blue (100%)



- Red (62%)
- Yellow (11%)
- Blue (100%)



- Cyan (38%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7633, 15.4214, 95.8576 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 32.7633, 15.4214, 95.8576 by changing the saturation by 10% instead.

 32.7633, 15.4214,
95.8576


 32.7633, 15.4214,
95.8576

306.2657,
225.9029, 567.9612


 22.1035, 9.1157,
72.2481


 63.3630, 35.5908,
157.4546


 14.0500, 4.8167,
52.8733


 84.0336, 50.2232,
196.2793


 8.2374, 2.1401,
37.3146


 108.7719, 68.3999,
241.0128


 4.3003, 0.6870,
25.1535

 137.9432, 90.5055,
292.0736

 1.8734, 0.0000,
15.9714

 171.9128,
116.9241, 349.8803

 0.5613, 0.0000,
9.3498

 211.0462,

 0.0000, 0.0000,

148.0403, 414.8514

4.8701

255.7087,
184.2384, 487.4056

■ 0.0000, 0.0000,
2.1138

■ 0.0000, 0.0000,
0.6240

■ 32.7633, 15.4214,
95.8576

■ 32.7633, 15.4214,
95.8576

■ 30.3298, 13.5907,
95.6325

■ 35.8777, 18.3344,
96.2557

■ 30.1120, 13.4382,
95.6145

■ 39.8016, 22.5839,
96.8691

■ 44.6260, 28.3439,
97.7266

■ 50.4272, 35.7610,
98.8525

■ 57.2727, 44.9638,
100.2680

■ 65.2232, 56.0679,
101.9923

■ 74.3344, 69.1789,
104.0428

■ 84.6581, 84.3946,
106.4356

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



19.9843, 15.4214, 148.1024



32.7633, 15.4214, 95.8576



42.3022, 15.4214, 36.6685

Triad

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



32.7633, 15.4214, 95.8576



20.5353, 15.4214, 0.0000



2.7654, 15.4214, 34.5693

Complementary

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



32.7633, 15.4214, 95.8576



44.2811, 75.8886, 13.4127

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.



2.8048, 15.4214, 5.8241



32.7633, 15.4214, 95.8576



10.3730, 15.4214, 0.0000

Square

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



32.7633, 15.4214, 95.8576



33.3222, 15.4214, 0.0000



4.8677, 15.4214, 0.0000



4.7134, 15.4214, 92.9146

Rectangle

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



32.7633, 15.4214, 95.8576



43.6652, 15.4214, 12.9530



4.8677, 15.4214, 0.0000



2.5896, 15.4214, 21.3215

Sweetspot

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



32.7641, 15.4218, 95.8576



66.9682, 58.5511, 102.3796



26.0367, 22.4825, 97.5750



13.7085, 11.6441, 21.7750



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.



32.7641, 15.4218, 95.8576



30.1120, 13.4382, 95.6145



57.3636, 28.3738, 84.7875



18.0071, 17.8954, 22.7550



15.9084, 7.1116, 49.9688



1.6738, 0.7568, 4.8711

Inverse Universe

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



45.2930, 23.5456, 21.2248



43.9381, 22.3392, 16.1379



36.6774, 71.9423, 14.2515



18.3281, 18.1146, 20.3449



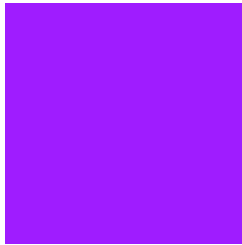
23.0294, 11.7011, 8.8052



2.2955, 1.1606, 1.1375

Previews

White Background



This preview shows how the XYZ color 32.7633, 15.4214, 95.8576 looks on a white background.

Color Contrast Check

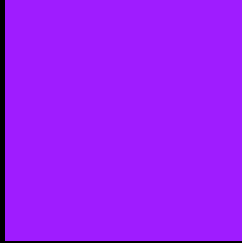
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7633, 15.4214, 95.8576 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 32.7633, 15.4214, 95.8576

Background



This preview shows how black text looks on a background with the XYZ color 32.7633, 15.4214, 95.8576.



This preview shows how white text looks on a background with the XYZ color 32.7633, 15.4214,

95.8576.

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

32.7633, 15.4214, 95.8576

Protanopia

18.4733, 15.6358, 71.8564

Deuteranopia

15.4196, 15.6160, 52.0707



Tritanopia

16.7718, 15.3744, 16.8354

Trichromacy



Original Color

32.7633, 15.4214, 95.8576



Protanomaly

19.4647, 12.3465, 79.9545



Deuteranomaly

17.0280, 11.8404, 65.6779



Tritanomaly

20.1114, 13.3392, 36.1651

Monochromacy



Original Color

32.7633, 15.4214, 95.8576



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

15.1317, 10.3051, 30.8973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7633, 15.4214, 95.8576 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(159, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 28, 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(159, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 28, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7633, 15.4214, 95.8576 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(159, 28, 255) }
```


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

```
.border{ border-color:rgb(159, 28, 255) }
```

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

Here you see how a box with a 4 pixel rgb(159, 28, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 28,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7633, 15.4214, 95.8576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 28, 255) }
```

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

```
.background{ background-color: rgb(159, 28,  
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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