

Converting Colors

XYZ(32.7323, 16.5464, 96.0763)

Have a look what the booklet for
XYZ(32.7323, 16.5464, 96.0763)
contains.

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Color

**XYZ(32.7514, 16.5562,
96.0772)**

Conversions

Conversions Part 1

Format	Color
Hex	9B33FF
RGB	155, 51, 255
RGB Percent	61%, 20%, 100%
CMY	0.3921, 0.8000, 0.0000
CMYK	0.39, 0.80, 0.00, 0.00
HSL	271°, 100%, 60%
HSV	271°, 80%, 100%
XYZ	32.7514, 16.5562, 96.0772
YIQ	105.3520, -3.5000, 85.4920

Conversions

Conversions Part 2

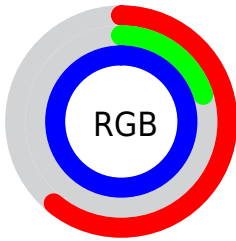
Format	Color
R _Y B	155, 51, 255
Decimal	10171391
CIE Lab	47.70, 75.99, -82.01
CIE LCh	48, 111.801, 312.817
Yxy	16.5562, 0.2253, 0.1139
Android (android.graphics.Color)	4288361471 (0xFF9B33FF)
YUV	105.3520, 73.7765, 43.5413
Hunter-Lab	40.6893, 72.4709, -111.5154

Details

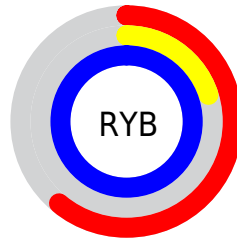
The XYZ color **32.7514, 16.5562, 96.0772** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **49.1192, 78.3379, 15.6639**, and the grayscale version is **13.3302, 14.0244, 15.2726**.

A 20% lighter version of the original color is **51.9448, 32.9708, 98.2339**, and **14.5922, 6.3584, 53.2815** is the 20% darker color. If you saturate the color by 10%, you get **29.6506, 13.7324, 95.6956**, and if you desaturate by 10%, it is **36.7121, 20.7286, 96.6738**.

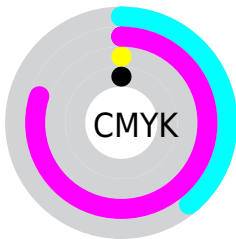
Distribution



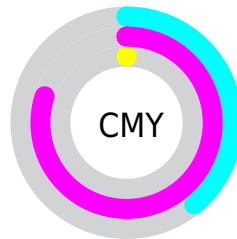
- Red (61%)
- Green (20%)
- Blue (100%)



- Red (61%)
- Yellow (20%)
- Blue (100%)



- Cyan (39%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7514, 16.5562, 96.0772 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 32.7514, 16.5562, 96.0772 by changing the saturation by 10% instead.

 32.7514, 16.5562,
96.0772


 32.7514, 16.5562,
96.0772


306.2129,
232.6017, 568.6800

 22.0944, 9.9186,
72.4300


 63.3445, 37.5611,
157.7603


 14.0433, 5.3450,
53.0210


 84.0113, 52.6972,
196.6333


 8.2327, 2.4511,
37.4317


 108.7454, 71.4350,
241.4187

 4.2972, 0.8520,
25.2435

 137.9121, 94.1587,
292.5350

 1.8716, 0.0000,
16.0379

 171.8769,
121.2529, 350.4007

 0.5603, 0.0000,
9.3963

211.0050,

 0.0000, 0.0000,

153.1018, 415.4345

4.9003

255.6619,
190.0900, 488.0547

■ 0.0000, 0.0000,
2.1311

■ 0.0000, 0.0000,
0.6342

■ 32.7514, 16.5562,
96.0772

■ 32.7514, 16.5562,
96.0772

■ 29.6506, 13.7324,
95.6956

■ 36.7121, 20.7286,
96.6738

■ 27.2568, 11.9663,
95.4809

■ 41.6246, 26.4265,
97.5147

■ 27.2568, 11.9663,
95.4809

■ 47.5699, 33.8005,
98.6247

■ 54.6187, 42.9820,
100.0254

■ 62.8347, 54.0889,
101.7362

■ 72.2764, 67.2290,
103.7749

■ 82.9979, 82.5018,
106.1577

■ 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.



20.3974, 16.5562, 142.6345



32.7514, 16.5562, 96.0772



42.1735, 16.5562, 39.6745

Triad

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



32.7514, 16.5562, 96.0772



22.1262, 16.5562, 0.0000



3.4491, 16.5562, 33.2056

Complementary

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



32.7514, 16.5562, 96.0772



49.1192, 78.3379, 15.6639

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.



3.5888, 16.5562, 6.1631



32.7514, 16.5562, 96.0772



11.8454, 16.5562, 0.0000

Square

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



32.7514, 16.5562, 96.0772



34.4691, 16.5562, 0.4369



5.9531, 16.5562, 0.0157



5.4275, 16.5562, 87.3073

Rectangle

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



32.7514, 16.5562, 96.0772



43.8049, 16.5562, 15.4546



5.9531, 16.5562, 0.0157



3.2861, 16.5562, 20.8698

Sweetspot

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



32.7523, 16.5567, 96.0773



68.3491, 61.7224, 102.9190



30.8065, 30.7063, 98.9110



13.9171, 12.2217, 21.8755



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.



32.7523, 16.5567, 96.0773



28.1532, 12.5928, 95.5545



60.4738, 30.8477, 97.3746



17.8860, 17.8330, 22.7494



14.4152, 6.3418, 49.8989



1.5297, 0.6825, 4.8644

Inverse Universe

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



48.0094, 25.8619, 31.7378



45.3931, 23.0984, 23.2536



37.7228, 72.4628, 15.1305



18.3805, 18.1355, 20.6208



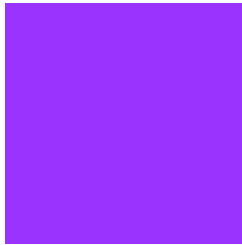
23.5578, 11.9124, 11.5877



2.3487, 1.1819, 1.4179

Previews

White Background



This preview shows how the XYZ color 32.7514, 16.5562, 96.0772 looks on a white background.

Color Contrast Check

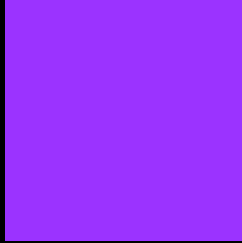
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7514, 16.5562, 96.0772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

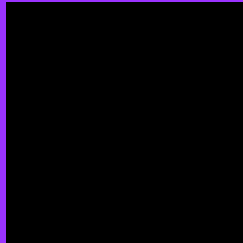
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7514, 16.5562, 96.0772

Background



This preview shows how black text looks on a background with the XYZ color 32.7514, 16.5562, 96.0772.



This preview shows how white text looks on a background with the XYZ color 32.7514, 16.5562,

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

32.7514, 16.5562, 96.0772

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

17.1191, 16.4217, 18.7904

Trichromacy



Original Color

32.7514, 16.5562, 96.0772



Protanomaly

20.7006, 14.0522, 83.2827



Deuteranomaly

18.2442, 13.6095, 68.6832



Tritanomaly

20.6998, 14.9248, 38.3490

Monochromacy



Original Color

32.7514, 16.5562, 96.0772



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

17.7620, 13.2460, 34.8783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7514, 16.5562, 96.0772 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(155, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 51, 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(155, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7514, 16.5562, 96.0772 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(155, 51, 255) }
```


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

```
.border{ border-color:rgb(155, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 51, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 51, 255); box-shadow:4px 4px 4px 4px rgb(155, 51, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7514, 16.5562, 96.0772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 51, 255) }
```

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

```
.background{ background-color: rgb(155, 51,  
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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