

Converting Colors

XYZ(33.2397, 16.2174, 95.9861)

Have a look what the booklet for
XYZ(33.2397, 16.2174, 95.9861)
contains.

XYZ(33.3401, 16.2795, 95.9928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3401, 16.2795,
95.9928)**

Conversions

Conversions Part 1

Format	Color
Hex	A029FF
RGB	160, 41, 255
RGB Percent	63%, 16%, 100%
CMY	0.3725, 0.8392, 0.0000
CMYK	0.37, 0.84, 0.00, 0.00
HSL	273°, 100%, 58%
HSV	273°, 84%, 100%
XYZ	33.3401, 16.2795, 95.9928
YIQ	100.9770, 2.2300, 91.7820

Conversions

Conversions Part 2

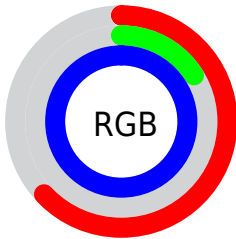
Format	Color
R _Y B	160, 41, 255
Decimal	10496511
CIE Lab	47.34, 79.61, -82.57
CIE LCh	47, 114.698, 313.955
Yxy	16.2795, 0.2290, 0.1118
Android (android.graphics.Color)	4288686591 (0xFFA029FF)
YUV	100.9770, 75.9333, 51.7632
Hunter-Lab	40.3479, 76.8887, -112.8151

Details

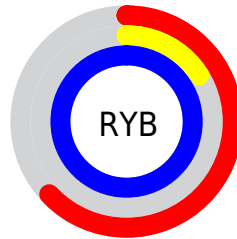
The XYZ color **33.3401, 16.2795, 95.9928** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **46.3133, 76.9142, 14.5029**, and the grayscale version is **12.1748, 12.8088, 13.9488**.

A 20% lighter version of the original color is **52.8191, 32.4928, 98.0956**, and **15.1150, 6.6279, 53.3060** is the 20% darker color. If you saturate the color by 10%, you get **30.5648, 13.9359, 95.6867**, and if you desaturate by 10%, it is **36.8928, 19.8696, 96.4985**.

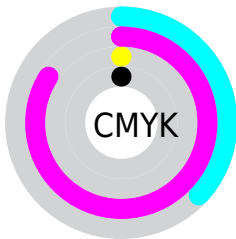
Distribution



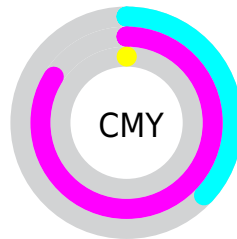
- Red (63%)
- Green (16%)
- Blue (100%)



- Red (63%)
- Yellow (16%)
- Blue (100%)



- Cyan (37%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3401, 16.2795, 95.9928 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 33.3401, 16.2795, 95.9928 by changing the saturation by 10% instead.

 33.3401, 16.2795,
95.9928


 33.3401, 16.2795,
95.9928


308.8174,
230.9854, 568.4038

 22.5476, 9.7222,
72.3601


 64.2573, 37.0828,
157.6428


 14.3787, 5.2151,
52.9643

 85.1127, 52.0974,
196.4973


 8.4680, 2.3740,
37.3867


 110.0530, 70.7000,
241.2627

 4.4501, 0.8125,
25.2089

 139.4438, 93.2749,
292.3577

 1.9598, 0.0000,
16.0123

 173.6502,
120.2065, 350.2007

 0.6112, 0.0000,
9.3784

 213.0378,

 0.0000, 0.0000,

151.8792, 415.2104

4.8887

257.9717,
188.6774, 487.8053

■ 0.0000, 0.0000,
2.1245

■ 0.0000, 0.0000,
0.6303

■ 33.3401, 16.2795,
95.9928

■ 33.3401, 16.2795,
95.9928

■ 30.5648, 13.9359,
95.6867

■ 36.8928, 19.8696,
96.4985

■ 29.1715, 12.9533,
95.5705

■ 41.3210, 24.8982,
97.2357

■ 46.7085, 31.5243,
98.2307

■ 53.1276, 39.8848,
99.5062

60.6427, 50.1018,
101.0821

69.3124, 62.2856,
102.9769

79.1910, 76.5381,
105.2073

90.3289, 92.9538,
107.7888

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.



20.6689, 16.2795, 145.9486



33.3401, 16.2795, 95.9928



42.8008, 16.2795, 38.0767

Triad

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



33.3401, 16.2795, 95.9928



21.5132, 16.2795, 0.0000



3.2149, 16.2795, 34.8950

Complementary

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



33.3401, 16.2795, 95.9928



46.3133, 76.9142, 14.5029

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.



3.2799, 16.2795, 6.3365



33.3401, 16.2795, 95.9928



11.2304, 16.2795, 0.0000

Square

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



33.3401, 16.2795, 95.9928



34.1859, 16.2795, 0.1404



5.5006, 16.2795, 0.0000



5.2521, 16.2795, 91.6204

Rectangle

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



33.3401, 16.2795, 95.9928



44.2216, 16.2795, 14.1453



5.5006, 16.2795, 0.0000



3.0328, 16.2795, 21.8641

Sweetspot

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



33.3410, 16.2800, 95.9928



68.3196, 60.8730, 102.7566



27.9530, 25.6685, 98.0890



13.9520, 12.0803, 21.8463



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.



33.3410, 16.2800, 95.9928



29.1715, 12.9533, 95.5705



58.4078, 29.3959, 88.4226



17.9691, 17.8758, 22.7533



15.4173, 6.8584, 49.9458



1.6268, 0.7326, 4.8689

Inverse Universe

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



46.4768, 24.6235, 25.5951



44.2318, 22.4567, 17.6844



37.2877, 72.2367, 15.1915



18.3444, 18.1211, 20.4309



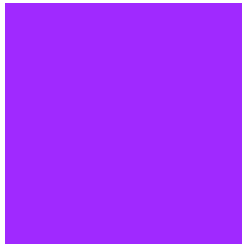
23.1844, 11.7631, 9.6217



2.3113, 1.1669, 1.2209

Previews

White Background



This preview shows how the XYZ color 33.3401, 16.2795, 95.9928 looks on a white background.

Color Contrast Check

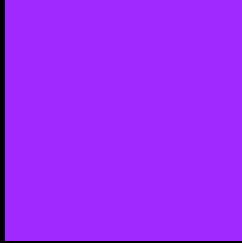
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3401, 16.2795, 95.9928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

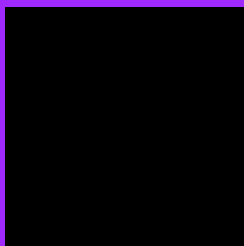
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3401, 16.2795, 95.9928

Background



This preview shows how black text looks on a background with the XYZ color 33.3401, 16.2795, 95.9928.



This preview shows how white text looks on a background with the XYZ color 33.3401, 16.2795,

95.9928.

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

33.3401, 16.2795, 95.9928

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.2088, 16.2927, 55.1138



Tritanopia

17.5479, 16.2009, 17.8250

Trichromacy



Original Color

33.3401, 16.2795, 95.9928



Protanomaly

20.3479, 13.4132, 82.4055



Deuteranomaly

17.8895, 12.9409, 67.8846



Tritanomaly

20.9642, 14.5020, 37.2915

Monochromacy



Original Color

33.3401, 16.2795, 95.9928



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

16.9078, 12.1639, 33.3550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3401, 16.2795, 95.9928 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, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 41, 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(160, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 41, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.3401, 16.2795, 95.9928 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, 41, 255) }
```


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

```
.border{ border-color:rgb(160, 41, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 41, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 41,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3401, 16.2795, 95.9928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 41, 255) }
```

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

```
.background{ background-color: rgb(160, 41,  
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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