

Converting Colors

XYZ(29.8637, 16.6930, 96.2558)

Have a look what the booklet for
XYZ(29.8637, 16.6930, 96.2558)
contains.

XYZ(29.8190, 16.6320, 96.2464)	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(29.8190, 16.6320,
96.2464)**

Conversions

Conversions Part 1

Format	Color
Hex	8447FF
RGB	132, 71, 255
RGB Percent	52%, 28%, 100%
CMY	0.4823, 0.7216, 0.0000
CMYK	0.48, 0.72, 0.00, 0.00
HSL	260°, 100%, 64%
HSV	260°, 72%, 100%
XYZ	29.8190, 16.6320, 96.2464
YIQ	110.2150, -22.7080, 70.1560

Conversions

Conversions Part 2

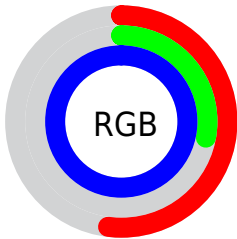
Format	Color
R _Y B	132, 71, 255
Decimal	8669183
CIE Lab	47.79, 64.78, -81.95
CIE LCh	48, 104.463, 308.323
Yxy	16.6320, 0.2090, 0.1166
Android (android.graphics.Color)	4286859263 (0xFF8447FF)
YUV	110.2150, 71.3790, 19.1054
Hunter-Lab	40.7823, 59.1455, -111.3768

Details

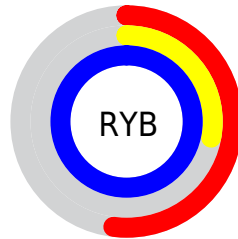
The XYZ color **29.8190, 16.6320, 96.2464** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **59.1438, 83.4434, 18.9501**, and the grayscale version is **14.6896, 15.4547, 16.8301**.

A 20% lighter version of the original color is **47.5058, 33.1046, 98.4937**, and **12.4334, 5.4066, 53.2116** is the 20% darker color. If you saturate the color by 10%, you get **26.0726, 12.7773, 95.6998**, and if you desaturate by 10%, it is **34.6824, 22.0716, 97.0400**.

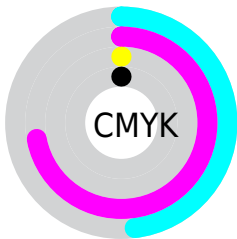
Distribution



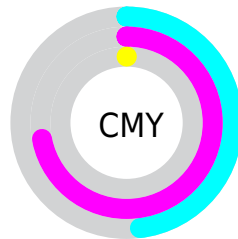
- Red (52%)
- Green (28%)
- Blue (100%)



- Red (52%)
- Yellow (28%)
- Blue (100%)



- Cyan (48%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8190, 16.6320, 96.2464 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 29.8190, 16.6320, 96.2464 by changing the saturation by 10% instead.

■ 29.8190, 16.6320,
96.2464

■ 29.8190, 16.6320,
96.2464

292.9848,
233.0427, 569.2335

■ 19.8486, 9.9725,
72.5702

■ 58.7644, 37.6920,
157.9958

■ 12.3927, 5.3807,
53.1349

■ 78.4702, 52.8612,
196.9061

■ 7.0858, 2.4723,
37.5220

■ 102.1518, 71.6358,
241.7314

■ 3.5626, 0.8627,
25.3130

■ 130.1746, 94.4001,
292.8904

■ 1.4578, 0.0000,
16.0892

■ 162.9039,
121.5385, 350.8016

■ 0.2969, 0.0000,
9.4323

200.7052,

■ 0.0000, 0.0000,

153.4355, 415.8834

4.9236

243.9437,
190.4754, 488.5546

■ 0.0000, 0.0000,
2.1445

■ 0.0000, 0.0000,
0.6421

■ 29.8190, 16.6320,
96.2464

■ 29.8190, 16.6320,
96.2464

■ 26.0726, 12.7773,
95.6998

■ 34.6824, 22.0716,
97.0400

■ 23.3280, 10.3123,
95.3687

■ 40.7556, 29.2564,
98.1067

■ 21.7553, 9.1302,
95.2234

■ 48.1238, 38.3278,
99.4693

■ 56.8629, 49.4121,
101.1482

67.0429, 62.6243,
103.1619

78.7285, 78.0705,
105.5274

91.9805, 95.8498,
108.2607

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.



18.5622, 16.6320, 132.1767



29.8190, 16.6320, 96.2464



39.1576, 16.6320, 44.6377

Triad

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



29.8190, 16.6320, 96.2464



23.4409, 16.6320, 0.0000



3.8426, 16.6320, 26.6522

Complementary

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



29.8190, 16.6320, 96.2464



59.1438, 83.4434, 18.9501

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.



4.2807, 16.6320, 4.9544



29.8190, 16.6320, 96.2464



13.3411, 16.6320, 0.0000

Square

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



29.8190, 16.6320, 96.2464



34.5746, 16.6320, 1.2578



7.0613, 16.6320, 0.0312



5.4677, 16.6320, 72.6491

Rectangle

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



29.8190, 16.6320, 96.2464



41.5222, 16.6320, 19.6621



7.0613, 16.6320, 0.0312



3.7722, 16.6320, 16.6407

Sweetspot

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



29.8199, 16.6324, 96.2464



67.2146, 62.8493, 103.1963



40.5542, 48.3710, 101.8068



13.7632, 12.6371, 21.9638



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.



29.8199, 16.6324, 96.2464



24.6261, 11.4237, 95.5148



50.2032, 27.1404, 97.2004



17.5703, 17.6702, 22.7346



11.5077, 4.8429, 49.7628



1.2305, 0.5283, 4.8504

Inverse Universe

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



53.2301, 29.6612, 53.9547



50.1742, 25.7105, 46.2736



42.6917, 74.9620, 18.1802



18.5216, 18.1919, 21.3637



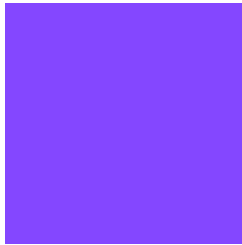
25.4345, 12.6631, 21.4705



2.5271, 1.2532, 2.3572

Previews

White Background



This preview shows how the XYZ color 29.8190, 16.6320, 96.2464 looks on a white background.

Color Contrast Check

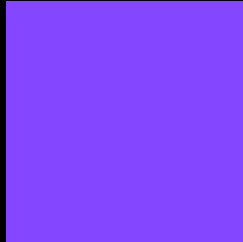
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8190, 16.6320, 96.2464 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 29.8190, 16.6320, 96.2464

Background



This preview shows how black text looks on a background with the XYZ color 29.8190, 16.6320, 96.2464.



This preview shows how white text looks on a background with the XYZ color 29.8190, 16.6320,

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

29.8190, 16.6320, 96.2464

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.4384, 16.5680, 55.7576



Tritanopia

14.7709, 16.4582, 21.8003

Trichromacy



Original Color

29.8190, 16.6320, 96.2464



Protanomaly

20.8911, 15.0448, 83.4642



Deuteranomaly

18.5623, 14.8572, 68.9072



Tritanomaly

18.3102, 15.3441, 41.0264

Monochromacy



Original Color

29.8190, 16.6320, 96.2464



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.2649, 14.8616, 36.5562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8190, 16.6320, 96.2464 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(132, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 71, 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(132, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 71, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.8190, 16.6320, 96.2464 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(132, 71, 255) }
```


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

```
.border{ border-color:rgb(132, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 71,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8190, 16.6320, 96.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 71, 255) }
```

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

```
.background{ background-color: rgb(132, 71,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor