

Converting Colors

XYZ(32.8797, 19.5771, 96.6535)

Have a look what the booklet for
XYZ(32.8797, 19.5771, 96.6535)
contains.

XYZ(32.8974, 19.5804, 96.6533)	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(32.8974, 19.5804,
96.6533)**

Conversions

Conversions Part 1

Format	Color
Hex	9154FF
RGB	145, 84, 255
RGB Percent	57%, 33%, 100%
CMY	0.4314, 0.6706, 0.0000
CMYK	0.43, 0.67, 0.00, 0.00
HSL	261°, 100%, 66%
HSV	261°, 67%, 100%
XYZ	32.8974, 19.5804, 96.6533
YIQ	121.7330, -18.5350, 66.1130

Conversions

Conversions Part 2

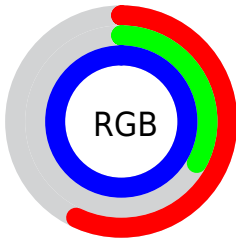
Format	Color
R _Y B	145, 84, 255
Decimal	9524479
CIE Lab	51.36, 60.71, -76.08
CIE LCh	51, 97.333, 308.593
Yxy	19.5804, 0.2206, 0.1313
Android (android.graphics.Color)	4287714559 (0xFF9154FF)
YUV	121.7330, 65.7006, 20.4052
Hunter-Lab	44.2497, 55.2685, -98.5304

Details

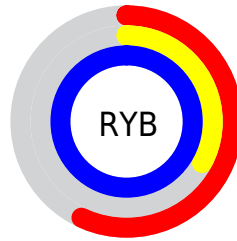
The XYZ color **32.8974, 19.5804, 96.6533** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **59.6073, 83.6289, 21.3880**, and the grayscale version is **18.2099, 19.1582, 20.8633**.

A 20% lighter version of the original color is **52.1725, 38.0905, 99.2101**, and **14.1096, 6.7988, 53.3920** is the 20% darker color. If you saturate the color by 10%, you get **28.5814, 14.9329, 95.9837**, and if you desaturate by 10%, it is **38.3525, 25.8839, 97.5824**.

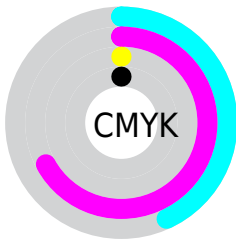
Distribution



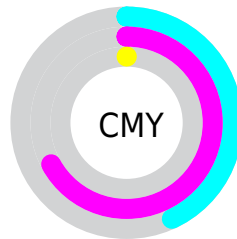
- Red (57%)
- Green (33%)
- Blue (100%)



- Red (57%)
- Yellow (33%)
- Blue (100%)



- Cyan (43%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8974, 19.5804, 96.6533 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 32.8974, 19.5804, 96.6533 by changing the saturation by 10% instead.

 32.8974, 19.5804,
96.6533


 32.8974, 19.5804,
96.6533


306.8603,
249.6344, 570.5634


 22.2067, 12.0904,
72.9073


 63.5711, 42.7126,
158.5619


 14.1263, 6.8053,
53.4088


 84.2848, 59.1235,
197.5616


 8.2909, 3.3406,
37.7393


 109.0702, 79.2769,
242.4830

 4.3350, 1.3120,
25.4801

 138.2926,
103.5572, 293.7445

 1.8933, 0.1505,
16.2129

 172.3175,
132.3487, 351.7648

 0.5730, 0.0000,
9.5189

211.5102,

 0.0000, 0.0000,

166.0358, 416.9623

4.9798

256.2360,
205.0029, 489.7557

■ 0.0000, 0.0000,
2.1769

■ 0.0000, 0.0000,
0.6610

■ 32.8974, 19.5804,
96.6533

■ 32.8974, 19.5804,
96.6533

■ 28.5814, 14.9329,
95.9837

■ 38.3525, 25.8839,
97.5824

■ 25.3014, 11.7656,
95.5452

■ 45.0308, 33.9908,
98.7952

■ 22.9339, 9.8586,
95.3019

■ 53.0108, 44.0332,
100.3130

■ 22.3616, 9.4427,
95.2518

■ 62.3633, 56.1304,
102.1551

■ 73.1535, 70.3918,
104.3391

■ 85.4424, 86.9187,
106.8814

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.



21.5495, 19.5804, 130.3760



32.8974, 19.5804, 96.6533



42.0406, 19.5804, 47.4800

Triad

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



32.8974, 19.5804, 96.6533



26.3121, 19.5804, 0.0000



5.5605, 19.5804, 30.3733

Complementary

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



32.8974, 19.5804, 96.6533



59.6073, 83.6289, 21.3880

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.



6.0579, 19.5804, 7.1293



32.8974, 19.5804, 96.6533



15.9518, 19.5804, 0.0000

Square

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



32.8974, 19.5804, 96.6533



37.4076, 19.5804, 2.3170



9.2067, 19.5804, 0.8722



7.4798, 19.5804, 75.2830

Rectangle

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



32.8974, 19.5804, 96.6533



44.2931, 19.5804, 22.6635



9.2067, 19.5804, 0.8722



5.4697, 19.5804, 20.0302

Sweetspot

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



32.8983, 19.5810, 96.6533



69.8266, 65.9660, 103.6602



41.2550, 48.2025, 101.7374



14.2910, 13.2530, 22.0548



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.



32.8983, 19.5810, 96.6533



27.5138, 13.8562, 95.8321



53.6453, 30.2764, 97.6243



17.6145, 17.6930, 22.7367



11.8314, 5.0098, 49.7780



1.2658, 0.5465, 4.8520

Inverse Universe

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



54.1475, 31.4956, 54.2619



50.8904, 27.0143, 46.9088



43.7473, 75.4527, 20.6458



18.5014, 18.1839, 21.2577



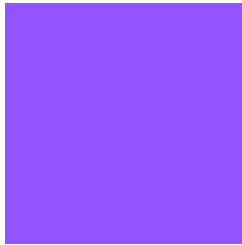
25.1253, 12.5394, 19.8420



2.4985, 1.2418, 2.2065

Previews

White Background



This preview shows how the XYZ color 32.8974, 19.5804, 96.6533 looks on a white background.

Color Contrast Check

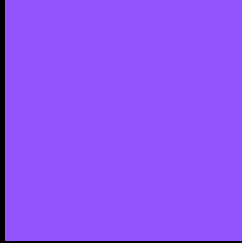
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.8974, 19.5804, 96.6533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

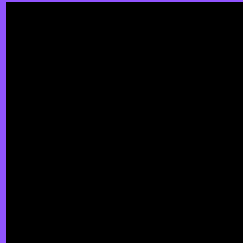
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8974, 19.5804, 96.6533

Background



This preview shows how black text looks on a background with the XYZ color 32.8974, 19.5804, 96.6533.



This preview shows how white text looks on a background with the XYZ color 32.8974, 19.5804,

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

32.8974, 19.5804, 96.6533

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

19.7283, 19.6251, 67.7140



Tritanopia

18.4503, 19.5449, 24.6299

Trichromacy



Original Color

32.8974, 19.5804, 96.6533



Protanomaly

24.0348, 18.0300, 93.4801



Deuteranomaly

21.3271, 17.6219, 77.1402



Tritanomaly

22.1568, 18.6236, 44.0219

Monochromacy



Original Color

32.8974, 19.5804, 96.6533



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.8242, 18.3732, 40.4263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8974, 19.5804, 96.6533 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(145, 84, 255)` looks like.

```
.text, #text, p{  
  color:rgb(145, 84, 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(145, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 84, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.8974, 19.5804, 96.6533 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(145, 84, 255) }
```


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

```
.border{ border-color:rgb(145, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 84,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8974, 19.5804, 96.6533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 84, 255) }
```

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

```
.background{ background-color: rgb(145, 84,  
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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