

Converting Colors

XYZ(36.9655, 21.6826,
121.3121)

Have a look what the booklet for
XYZ(36.9655, 21.6826, 121.3121)
contains.

XYZ(32.2698, 19.8537, 96.7391)	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(32.2698, 19.8537,
96.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	8B59FF
RGB	139, 89, 255
RGB Percent	55%, 35%, 100%
CMY	0.4549, 0.6510, 0.0000
CMYK	0.45, 0.65, 0.00, 0.00
HSL	258°, 100%, 67%
HSV	258°, 65%, 100%
XYZ	32.2698, 19.8537, 96.7391
YIQ	122.8740, -23.4860, 62.2260

Conversions

Conversions Part 2

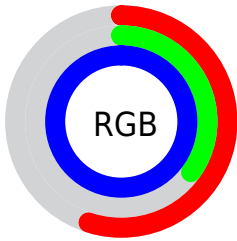
Format	Color
R _Y B	139, 89, 255
Decimal	9132543
CIE Lab	51.67, 57.12, -75.59
CIE LCh	52, 94.750, 307.077
Yxy	19.8537, 0.2168, 0.1334
Android (android.graphics.Color)	4287322623 (0xFF8B59FF)
YUV	122.8740, 65.1381, 14.1425
Hunter-Lab	44.5575, 51.2992, -97.5347

Details

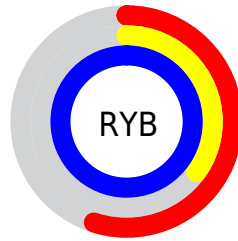
The XYZ color **32.2698, 19.8537, 96.7391** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **62.7389, 85.2198, 22.5937**, and the grayscale version is **18.5840, 19.5518, 21.2919**.

A 20% lighter version of the original color is **51.2762, 38.7081, 99.3766**, and **13.7516, 6.9539, 53.4408** is the 20% darker color. If you saturate the color by 10%, you get **27.7667, 14.9092, 96.0220**, and if you desaturate by 10%, it is **37.9942, 26.5183, 97.7238**.

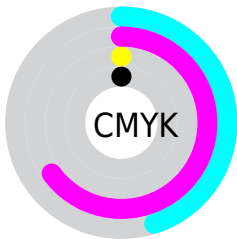
Distribution



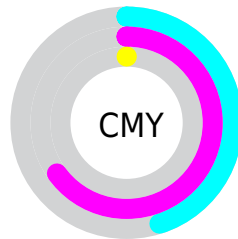
- Red (55%)
- Green (35%)
- Blue (100%)



- Red (55%)
- Yellow (35%)
- Blue (100%)



- Cyan (45%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2698, 19.8537, 96.7391 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 32.2698, 19.8537, 96.7391 by changing the saturation by 10% instead.

 32.2698, 19.8537,
96.7391


 32.2698, 19.8537,
96.7391


304.0699,
251.1220, 570.8436

 21.7242, 12.2887,
72.9784


 62.5962, 43.1718,
158.6812


 13.7699, 6.9406,
53.4666


 83.1076, 59.6937,
197.6998

 8.0414, 3.4250,
37.7851


 107.6718, 79.9700,
242.6414

 4.1735, 1.3574,
25.5154

 136.6539,
104.3852, 293.9245

 1.8007, 0.1850,
16.2390

170.4195,
133.3235, 351.9678

 0.5181, 0.0000,
9.5372

209.3338,

 0.0000, 0.0000,

167.1696, 417.1897

4.9917

253.7621,
206.3076, 490.0088

■ 0.0000, 0.0000,
2.1837

■ 0.0000, 0.0000,
0.6649

■ 32.2698, 19.8537,
96.7391

■ 32.2698, 19.8537,
96.7391

■ 27.7667, 14.9092,
96.0220

■ 37.9942, 26.5183,
97.7238

■ 24.3789, 11.5116,
95.5448

■ 45.0272, 35.0490,
98.9997

■ 21.9840, 9.4523,
95.2735

■ 53.4507, 45.5780,
100.5880

■ 21.0956, 8.7901,
95.1925

■ 63.3389, 58.2246,
102.5079

■ 74.7603, 73.0987,
104.7769

■ 87.7791, 90.3024,
107.4114

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.



21.2277, 19.8537, 127.3166



32.2698, 19.8537, 96.7391



41.3800, 19.8537, 49.3033

Triad

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



32.2698, 19.8537, 96.7391



26.9775, 19.8537, 0.1273



5.8718, 19.8537, 28.7762

Complementary

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



32.2698, 19.8537, 96.7391



62.7389, 85.2198, 22.5937

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.



6.4952, 19.8537, 6.9084



32.2698, 19.8537, 96.7391



16.6943, 19.8537, 0.0000

Square

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



32.2698, 19.8537, 96.7391



37.6727, 19.8537, 2.8744



9.8132, 19.8537, 0.9434



7.6727, 19.8537, 71.4504

Rectangle

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



32.2698, 19.8537, 96.7391



43.8379, 19.8537, 24.4161



9.8132, 19.8537, 0.9434



5.8187, 19.8537, 19.0410

Sweetspot

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



32.2707, 19.8543, 96.7391



68.9656, 65.5221, 103.6199



44.0491, 53.1024, 102.5359



14.0868, 13.1477, 22.0453



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.



32.2707, 19.8543, 96.7391



26.6735, 13.7721, 95.8602



51.6855, 29.8629, 97.6477



17.5174, 17.6429, 22.7321



11.1539, 4.6605, 49.7463



1.1909, 0.5078, 4.8485

Inverse Universe

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



55.8314, 32.8124, 61.1457



52.5190, 28.0420, 54.3248



45.6177, 76.3935, 21.7925



18.5459, 18.2017, 21.4918



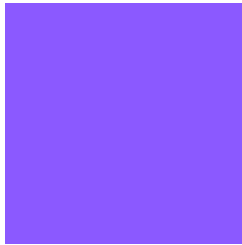
25.8268, 12.8200, 23.5359



2.5631, 1.2676, 2.5467

Previews

White Background



This preview shows how the XYZ color 32.2698, 19.8537, 96.7391 looks on a white background.

Color Contrast Check

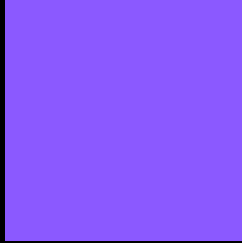
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2698, 19.8537, 96.7391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

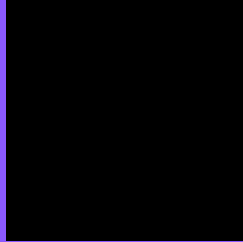
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2698, 19.8537, 96.7391

Background



This preview shows how black text looks on a background with the XYZ color 32.2698, 19.8537, 96.7391.



This preview shows how white text looks on a background with the XYZ color 32.2698, 19.8537,

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

32.2698, 19.8537, 96.7391

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.1157, 19.9837, 69.1267



Tritanopia

17.8911, 19.6046, 25.7628

Trichromacy



Original Color

32.2698, 19.8537, 96.7391



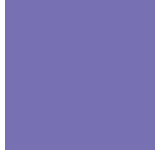
Protanomaly

24.1936, 18.2475, 94.3424



Deuteranomaly

21.6942, 18.2836, 77.9870



Tritanomaly

21.5386, 18.7650, 45.1346

Monochromacy



Original Color

32.2698, 19.8537, 96.7391



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

22.0884, 18.9763, 41.0267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2698, 19.8537, 96.7391 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(139, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 89, 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(139, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 89, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.2698, 19.8537, 96.7391 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(139, 89, 255) }
```


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

```
.border{ border-color:rgb(139, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 89,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2698, 19.8537, 96.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 89, 255) }
```

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

```
.background{ background-color: rgb(139, 89,  
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