

Converting Colors

XYZ(37.1651, 21.2601,
108.0310)

Have a look what the booklet for
XYZ(37.1651, 21.2601, 108.0310)
contains.

XYZ(34.9719, 20.4227, 96.7065)	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(34.9719, 20.4227,
96.7065)**

Conversions

Conversions Part 1

Format	Color
Hex	9D52FF
RGB	157, 82, 255
RGB Percent	62%, 32%, 100%
CMY	0.3843, 0.6784, 0.0000
CMYK	0.38, 0.68, 0.00, 0.00
HSL	266°, 100%, 66%
HSV	266°, 68%, 100%
XYZ	34.9719, 20.4227, 96.7065
YIQ	124.1470, -10.8330, 69.7030

Conversions

Conversions Part 2

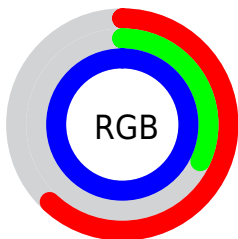
Format	Color
RYB	157, 82, 255
Decimal	10310399
CIELab	52.31, 63.84, -74.47
CIELCh	52, 98.087, 310.605
Yxy	20.4227, 0.2299, 0.1343
Android (android.graphics.Color)	4288500479 (0xFF9D52FF)
YUV	124.1470, 64.5105, 28.8121
Hunter-Lab	45.1915, 59.0490, -95.2423

Details

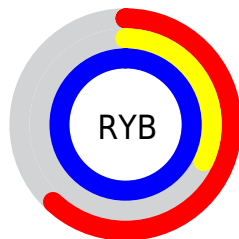
The XYZ color **34.9719, 20.4227, 96.7065** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **56.1048, 81.8322, 20.8211**, and the grayscale version is **19.0024, 19.9920, 21.7713**.

A 20% lighter version of the original color is **55.4694, 39.5800, 99.3239**, and **15.3344, 7.2259, 53.4098** is the 20% darker color. If you saturate the color by 10%, you get **30.7402, 15.8976, 96.0561**, and if you desaturate by 10%, it is **40.2526, 26.5487, 97.6106**.

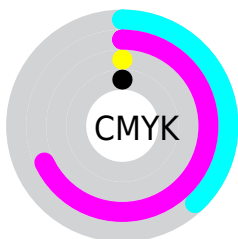
Distribution



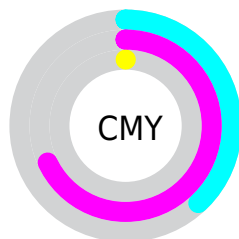
- Red (62%)
- Green (32%)
- Blue (100%)



- Red (62%)
- Yellow (32%)
- Blue (100%)



- Cyan (38%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9719, 20.4227, 96.7065 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 34.9719, 20.4227, 96.7065 by changing the saturation by 10% instead.


 34.9719, 20.4227,
96.7065


 34.9719, 20.4227,
96.7065


315.9545,
254.1943, 570.7371


 23.8076, 12.7027,
72.9514


 66.7765, 44.1247,
158.6359

 15.3150, 7.2241,
53.4446


 88.1476, 60.8756,
197.6473


 9.1285, 3.6027,
37.7677


 113.6517, 81.4054,
242.5812

 4.8829, 1.4539,
25.5020

 143.6542,
106.0987, 293.8561

 2.2127, 0.2559,
16.2290

 178.5203,
135.3399, 351.8906

 0.7494, 0.0000,
9.5303

218.6155,

 0.0000, 0.0000,

169.5133, 417.1033

4.9871

264.3051,
209.0033, 489.9126

■ 0.0000, 0.0000,
2.1811

■ 0.0000, 0.0000,
0.6634

■ 34.9719, 20.4227,
96.7065

■ 34.9719, 20.4227,
96.7065

■ 30.7402, 15.8976,
96.0561

■ 40.2526, 26.5487,
97.6106

■ 27.4594, 12.7982,
95.6308

■ 46.6615, 34.4212,
98.7924

■ 25.0063, 10.8948,
95.3927

■ 54.2724, 44.1711,
100.2732

■ 24.5495, 10.5706,
95.3542

■ 63.1513, 55.9158,
102.0721

■ 73.3593, 69.7628,
104.2069

■ 84.9532, 85.8120,
106.6936

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.



23.2046, 20.4227, 133.7429



34.9719, 20.4227, 96.7065



44.0609, 20.4227, 46.2588

Triad

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



34.9719, 20.4227, 96.7065



26.5920, 20.4227, 0.0000



5.9055, 20.4227, 34.1085

Complementary

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



34.9719, 20.4227, 96.7065



56.1048, 81.8322, 20.8211

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.



6.2605, 20.4227, 8.4195



34.9719, 20.4227, 96.7065



16.0555, 20.4227, 0.0000

Square

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



34.9719, 20.4227, 96.7065



38.1779, 20.4227, 2.1360



9.3251, 20.4227, 1.1057



8.0941, 20.4227, 81.5354

Rectangle

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



34.9719, 20.4227, 96.7065



45.9879, 20.4227, 21.6554



9.3251, 20.4227, 1.1057



5.7574, 20.4227, 22.8286

Sweetspot

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



34.9728, 20.4233, 96.7066



71.0416, 66.5924, 103.7171



37.8579, 41.6702, 100.6556



14.5800, 13.4020, 22.0683



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.



34.9728, 20.4233, 96.7066



29.6065, 14.7741, 95.8990



58.1909, 32.3927, 97.7932



17.7500, 17.7629, 22.7430



12.9913, 5.6078, 49.8323



1.3874, 0.6091, 4.8577

Inverse Universe

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



52.4954, 30.5900, 46.3163



49.1481, 26.1440, 38.2690



41.8516, 74.4844, 20.1541



18.4405, 18.1595, 20.9366



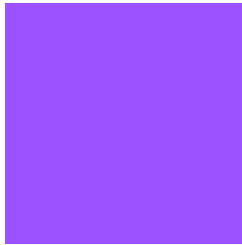
24.2734, 12.1987, 15.3561



2.4183, 1.2097, 1.7840

Previews

White Background



This preview shows how the XYZ color 34.9719, 20.4227, 96.7065 looks on a white background.

Color Contrast Check

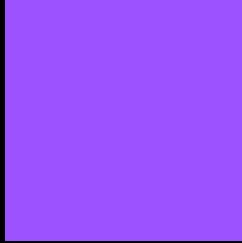
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9719, 20.4227, 96.7065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

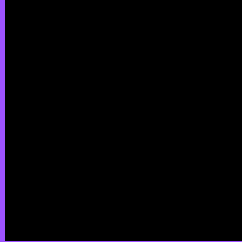
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.9719, 20.4227, 96.7065

Background



This preview shows how black text looks on a background with the XYZ color 34.9719, 20.4227, 96.7065.



This preview shows how white text looks on a background with the XYZ color 34.9719, 20.4227,

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

34.9719, 20.4227, 96.7065

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

20.4163, 20.3831, 24.3310

Trichromacy



Original Color

34.9719, 20.4227, 96.7065



Protanomaly

24.7308, 18.3337, 96.0012



Deuteranomaly

22.0798, 18.1219, 79.4249



Tritanomaly

23.9094, 19.2254, 43.5250

Monochromacy



Original Color

34.9719, 20.4227, 96.7065



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

23.0684, 19.1501, 41.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9719, 20.4227, 96.7065 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(157, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 82, 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(157, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.9719, 20.4227, 96.7065 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(157, 82, 255) }
```


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

```
.border{ border-color:rgb(157, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 82,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9719, 20.4227, 96.7065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 82, 255) }
```

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

```
.background{ background-color: rgb(157, 82,  
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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