

Converting Colors

XYZ(34.4532, 19.5681, 94.0566)

Have a look what the booklet for
XYZ(34.4532, 19.5681, 94.0566)
contains.

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Color

**XYZ(34.4532, 19.5681,
94.0566)**

Conversions

Conversions Part 1

Format	Color
Hex	9F4CFC
RGB	159, 76, 252
RGB Percent	62%, 30%, 99%
CMY	0.3765, 0.7020, 0.0118
CMYK	0.37, 0.70, 0.00, 0.01
HSL	268°, 97%, 64%
HSV	268°, 70%, 99%
XYZ	34.4532, 19.5681, 94.0566
YIQ	120.8810, -7.0280, 72.3320

Conversions

Conversions Part 2

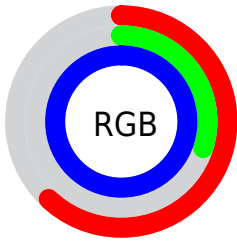
Format	Color
R_{YB}	159, 76, 252
Decimal	10439932
CIE _{Lab}	51.35, 66.22, -74.36
CIE _{LCh}	51, 99.577, 311.687
Yxy	19.5681, 0.2327, 0.1321
Android (android.graphics.Color)	4288630012 (0xFF9F4CFC)
YUV	120.8810, 64.6417, 33.4304
Hunter-Lab	44.2358, 61.6124, -95.1005

Details

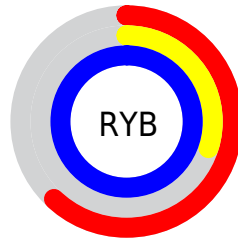
The XYZ color **34.4532, 19.5681, 94.0566** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **52.4769, 78.5778, 19.2390**, and the grayscale version is **17.9363, 18.8704, 20.5498**.

A 20% lighter version of the original color is **55.3797, 38.5127, 99.1226**, and **15.0029, 6.7870, 51.5582** is the 20% darker color. If you saturate the color by 10%, you get **30.5447, 15.4611, 93.4703**, and if you desaturate by 10%, it is **39.3275, 25.1817, 94.8837**.

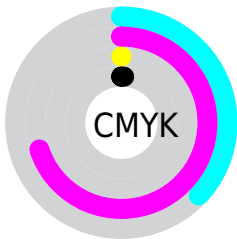
Distribution



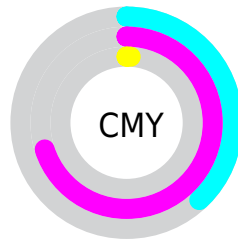
- Red (62%)
- Green (30%)
- Blue (99%)



- Red (62%)
- Yellow (30%)
- Blue (99%)



- Cyan (37%)
- Magenta (70%)
- Yellow (0%)
- Black (1%)




- Cyan (38%)
- Magenta (70%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4532, 19.5681, 94.0566 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 34.4532, 19.5681, 94.0566 by changing the saturation by 10% instead.


 34.4532, 19.5681,
94.0566


 34.4532, 19.5681,
94.0566


313.6986,
249.5673, 562.0474


 23.4065, 12.0815,
70.7575


 65.9774, 42.6919,
154.9450


 15.0163, 6.7992,
51.6637


 87.1857, 59.0978,
193.3713

 8.9172, 3.3368,
36.3567


 112.5119, 79.2457,
237.6771

 4.7439, 1.3100,
24.4179

 142.3213,
103.5198, 288.2809

 2.1310, 0.1489,
15.4289

 176.9793,
132.3047, 345.6013

 0.7060, 0.0000,
8.9710

216.8513,

 0.0000, 0.0000,

165.9846, 410.0569

4.6257

262.3026,
204.9440, 482.0660

■ 0.0000, 0.0000,
1.9745

■ 0.0000, 0.0000,
0.5395

■ 34.4532, 19.5681,
94.0566

■ 34.4532, 19.5681,
94.0566

■ 30.5447, 15.4611,
93.4703

■ 39.3275, 25.1817,
94.8837

■ 27.5056, 12.6852,
93.0947

■ 45.2442, 32.4464,
95.9740

■ 25.1908, 10.9630,
92.8843

■ 52.2745, 41.4911,
97.3493

■ 25.1573, 10.9393,
92.8814

■ 60.4819, 52.4310,
99.0283

■ 69.9247, 65.3714,
101.0284

■ 80.6570, 80.4098,
103.3654

■ 92.7295, 97.6370,
106.0543

■ 94.5708, 99.8083,
106.3764

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.7516, 19.5681, 132.6869



34.4532, 19.5681, 94.0566



43.3297, 19.5681, 43.5882

Triad

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



34.4532, 19.5681, 94.0566



25.2845, 19.5681, 0.0000



5.4468, 19.5681, 34.4506

Complementary

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



34.4532, 19.5681, 94.0566



52.4769, 78.5778, 19.2390

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.



5.7032, 19.5681, 8.3068



34.4532, 19.5681, 94.0566



14.9850, 19.5681, 0.0000

Square

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



34.4532, 19.5681, 94.0566



36.8670, 19.5681, 1.6899



8.5527, 19.5681, 0.9904



7.6542, 19.5681, 82.5080

Rectangle

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



34.4532, 19.5681, 94.0566



45.0407, 19.5681, 19.7331



8.5527, 19.5681, 0.9904



5.2772, 19.5681, 22.9610

Sweetspot

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



34.4542, 19.5687, 94.0571



70.6272, 65.4863, 103.5254



34.9013, 37.2647, 97.4492



14.5247, 13.2002, 22.0323



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.



34.4542, 19.5687, 94.0571



29.9602, 14.5268, 95.8326



58.2083, 31.8145, 95.1688



17.0615, 17.0443, 21.7759



13.2719, 5.7846, 48.3906



1.3505, 0.5983, 4.4875

Inverse Universe

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



49.8909, 28.7291, 40.4509



47.8572, 25.1646, 32.8987



39.5833, 71.9309, 18.6356



17.6279, 17.3785, 19.8961



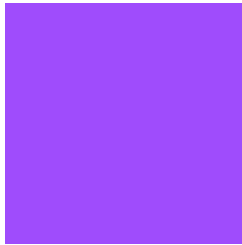
23.1980, 11.6949, 13.0172



2.2021, 1.1046, 1.4878

Previews

White Background



This preview shows how the XYZ color 34.4532, 19.5681, 94.0566 looks on a white background.

Color Contrast Check

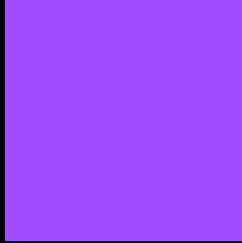
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4532, 19.5681, 94.0566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

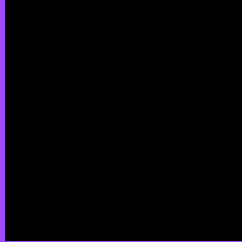
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4532, 19.5681, 94.0566

Background



This preview shows how black text looks on a background with the XYZ color 34.4532, 19.5681, 94.0566.



This preview shows how white text looks on a background with the XYZ color 34.4532, 19.5681,

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

34.4532, 19.5681, 94.0566

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

19.9821, 19.4757, 22.7847

Trichromacy



Original Color

34.4532, 19.5681, 94.0566



Protanomaly

23.8505, 17.5022, 92.5637



Deuteranomaly

21.2855, 17.1281, 77.0471



Tritanomaly

23.4520, 18.4298, 41.3510

Monochromacy



Original Color

34.4532, 19.5681, 94.0566



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

22.2047, 18.1186, 39.8630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4532, 19.5681, 94.0566 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(159, 76, 252)` looks like.

```
.text, #text, p{  
  color:rgb(159, 76, 252)  
}
```

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(159, 76, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 76, 252) }
```

Border

The CSS property to change the border of an element to XYZ 34.4532, 19.5681, 94.0566 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(159, 76, 252) }
```


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

```
.border{ border-color:rgb(159, 76, 252) }
```

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

Here you see how a box with a 4 pixel rgb(159, 76, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 76, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 76, 252);  
box-shadow:4px 4px 4px 4px rgb(159, 76,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4532, 19.5681, 94.0566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 76, 252) }
```

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

```
.background{ background-color: rgb(159, 76,  
252) }
```

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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