

Converting Colors

XYZ(45.0948, 33.4289,
116.9162)

Have a look what the booklet for
XYZ(45.0948, 33.4289, 116.9162)
contains.

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Color

**XYZ(41.6794, 32.0567,
98.5986)**

Conversions

Conversions Part 1

Format	Color
Hex	A386FF
RGB	163, 134, 255
RGB Percent	64%, 53%, 100%
CMY	0.3608, 0.4745, 0.0000
CMYK	0.36, 0.47, 0.00, 0.00
HSL	254°, 100%, 76%
HSV	254°, 47%, 100%
XYZ	41.6794, 32.0567, 98.5986
YIQ	156.4650, -21.5570, 43.7790

Conversions

Conversions Part 2

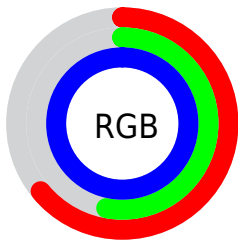
Format	Color
R_{YB}	163, 134, 255
Decimal	10716927
CIE _{Lab}	63.39, 37.67, -56.61
CIE _{LCh}	63, 68.002, 303.638
Yxy	32.0567, 0.2419, 0.1860
Android (android.graphics.Color)	4288907007 (0xFFA386FF)
YUV	156.4650, 48.5778, 5.7312
Hunter-Lab	56.6186, 32.3189, -63.6176

Details

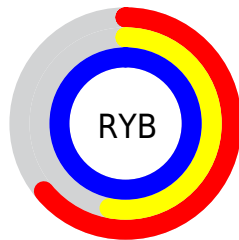
The XYZ color **41.6794, 32.0567, 98.5986** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.4266, 89.4097, 36.0483**, and the grayscale version is **31.6052, 33.2511, 36.2104**.

A 20% lighter version of the original color is **65.8520, 58.5586, 102.4399**, and **19.3072, 13.4820, 55.0108** is the 20% darker color. If you saturate the color by 10%, you get **34.9004, 23.9462, 97.3904**, and if you desaturate by 10%, it is **49.9189, 42.1823, 100.1187**.

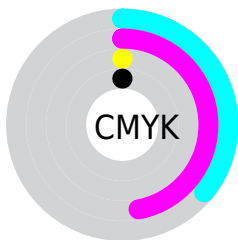
Distribution



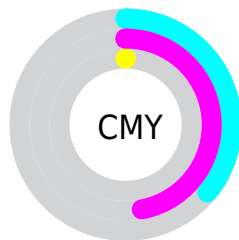
- Red (64%)
- Green (53%)
- Blue (100%)



- Red (64%)
- Yellow (53%)
- Blue (100%)



- Cyan (36%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6794, 32.0567, 98.5986 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 41.6794, 32.0567, 98.5986 by changing the saturation by 10% instead.


 41.6794, 32.0567,
98.5986

 41.6794, 32.0567,
98.5986


344.1665,
311.3775, 576.8985


 29.0403, 21.4048,
74.5203

 76.9824, 62.9000,
161.2650

 19.2558, 13.4202,
54.7207


 100.3770, 83.8601,
200.6903

 11.9603, 7.7185,
38.7810


 128.0876,
109.0252, 246.0683

 6.7887, 3.9154,
26.2829

160.4794,
138.7795, 297.8176

 3.3755, 1.6263,
16.8077

197.9179,
173.5075, 356.3567

 1.3553, 0.3753,
9.9370

240.7683,

 0.2240, 0.0000,

213.5936, 422.1042

5.2521

289.3960,
259.4221, 495.4786

■ 0.0000, 0.0000,
2.3346

■ 0.0000, 0.0000,
0.7505

■ 41.6794, 32.0567,
98.5986

■ 41.6794, 32.0567,
98.5986

■ 34.9004, 23.9462,
97.3904

■ 49.9189, 42.1823,
100.1187

■ 29.4887, 17.7090,
96.4717

■ 59.6971, 54.4448,
101.9703

■ 25.3451, 13.1898,
95.8178

■ 71.0908, 68.9601,
104.1715

■ 22.3541, 10.2057,
95.3994

■ 84.1703, 85.8349,
106.7393

■ 20.3717, 8.5217,
95.1789

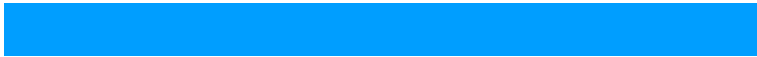
95.0500, 100.0000,
108.9000

■ 19.9819, 8.2160,
95.1404

Harmonies

Analogous

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



31.6362, 32.0567, 116.8155



41.6794, 32.0567, 98.5986



49.8144, 32.0567, 63.4742

Triad

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



41.6794, 32.0567, 98.5986



39.2672, 32.0567, 5.9625



15.6986, 32.0567, 38.3107

Complementary

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



41.6794, 32.0567, 98.5986



71.4266, 89.4097, 36.0483

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.



16.9194, 32.0567, 16.5258



41.6794, 32.0567, 98.5986



29.3307, 32.0567, 4.4739

Square

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



41.6794, 32.0567, 98.5986



48.2317, 32.0567, 13.2901



21.4738, 32.0567, 7.0377



17.7101, 32.0567, 72.3797

Rectangle

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



41.6794, 32.0567, 98.5986



52.3216, 32.0567, 40.9916



21.4738, 32.0567, 7.0377



15.7470, 32.0567, 29.4516

Sweetspot

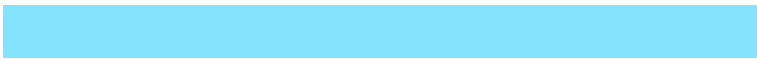
The Sweet Spot groups the original color and five complimentary colors.



41.6806, 32.0578, 98.5987



75.4094, 74.5103, 105.0152



55.2873, 67.0994, 104.6453



15.5576, 15.1982, 22.3635



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.



41.6806, 32.0578, 98.5987



35.1755, 24.2699, 97.4384



56.9249, 39.9166, 99.3121



17.4106, 17.5879, 22.7271



10.5511, 4.3498, 49.7181



1.1199, 0.4713, 4.8452

Inverse Universe

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



63.4926, 43.8017, 77.0581



59.7178, 37.5123, 71.9150



55.8454, 81.3773, 35.3191



18.5956, 18.2215, 21.7533



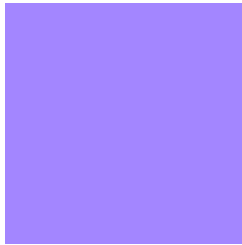
26.6912, 13.1658, 28.0882



2.6414, 1.2989, 2.9589

Previews

White Background



This preview shows how the XYZ color 41.6794, 32.0567, 98.5986 looks on a white background.

Color Contrast Check

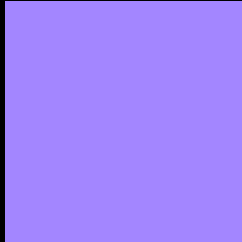
Large Text (above 18pt) WCAG AA × Fail

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 41.6794, 32.0567, 98.5986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

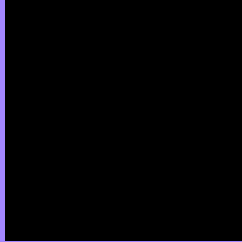
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6794, 32.0567, 98.5986

Background



This preview shows how black text looks on a background with the XYZ color 41.6794, 32.0567, 98.5986.

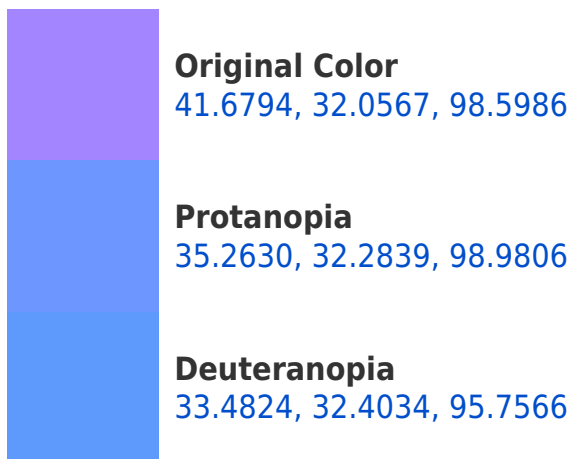


This preview shows how white text looks on a background with the XYZ color 41.6794, 32.0567,

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





Tritanopia

30.1980, 32.1620, 41.1755

Trichromacy



Original Color

41.6794, 32.0567, 98.5986

Protanomaly

37.0765, 31.8336, 98.7981

Deuteranomaly

35.4756, 31.7473, 96.3535

Tritanomaly

33.5050, 31.5703, 58.3606

Monochromacy



Original Color

41.6794, 32.0567, 98.5986

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.4024, 32.3565, 54.3014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6794, 32.0567, 98.5986 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(163, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 134, 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(163, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 134, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.6794, 32.0567, 98.5986 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(163, 134, 255) }
```


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

```
.border{ border-color:rgb(163, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 134,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6794, 32.0567, 98.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 134, 255) }
```

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

```
.background{ background-color: rgb(163,  
134, 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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