

Converting Colors

XYZ(34.2467, 28.6220, 98.3273)

Have a look what the booklet for
XYZ(34.2467, 28.6220, 98.3273)
contains.

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Color

**XYZ(34.3254, 28.6799,
98.3344)**

Conversions

Conversions Part 1

Format	Color
Hex	7688FF
RGB	118, 136, 255
RGB Percent	46%, 53%, 100%
CMY	0.5372, 0.4667, 0.0000
CMYK	0.54, 0.47, 0.00, 0.00
HSL	232°, 100%, 73%
HSV	232°, 54%, 100%
XYZ	34.3254, 28.6799, 98.3344
YIQ	144.1840, -48.9270, 33.1930

Conversions

Conversions Part 2

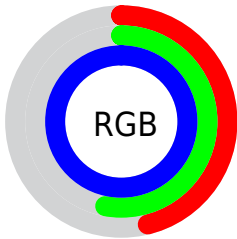
Format	Color
RYB	118, 134, 255
Decimal	7768319
CIELab	60.50, 26.33, -61.43
CIElCh	60, 66.833, 293.203
Yxy	28.6799, 0.2128, 0.1778
Android (android.graphics.Color)	4285958399 (0xFF7688FF)
YUV	144.1840, 54.6323, -22.9634
Hunter-Lab	53.5536, 20.6914, -71.3799

Details

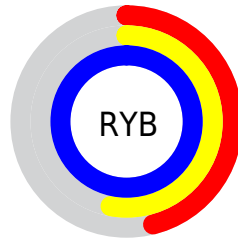
The XYZ color **34.3254, 28.6799, 98.3344** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.7961, 83.1395, 29.2470**, and the grayscale version is **26.3854, 27.7595, 30.2301**.

A 20% lighter version of the original color is **54.6077, 53.0802, 101.9751**, and **14.9024, 11.5777, 54.2726** is the 20% darker color. If you saturate the color by 10%, you get **28.5150, 21.5226, 97.2591**, and if you desaturate by 10%, it is **41.7184, 37.6106, 99.6685**.

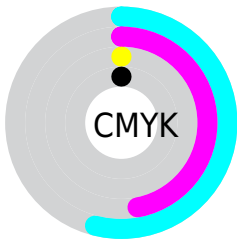
Distribution



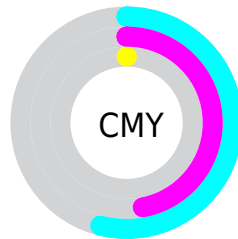
- Red (46%)
- Green (53%)
- Blue (100%)



- Red (46%)
- Yellow (53%)
- Blue (100%)



- Cyan (54%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3254, 28.6799, 98.3344 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 34.3254, 28.6799, 98.3344 by changing the saturation by 10% instead.


 34.3254, 28.6799,
98.3344


 34.3254, 28.6799,
98.3344


313.1410,
295.7016, 576.0403


 23.3078, 18.8388,
74.3011


 65.7803, 57.5681,
160.8982

 14.9429, 11.5539,
54.5423


 86.9483, 77.3840,
200.2659

 8.8654, 6.4407,
38.6392


 112.2304,
101.2937, 245.5821

 4.7099, 3.1148,
26.1735

141.9921,
129.6814, 297.2654

 2.1111, 1.1920,
16.7266

176.5986,
162.9317, 355.7343

 0.6952, 0.0551,
9.8798

216.4154,

 0.0000, 0.0000,

201.4289, 421.4074

5.2148

261.8077,
245.5574, 494.7032

■ 0.0000, 0.0000,
2.3129

■ 0.0000, 0.0000,
0.7384

■ 34.3254, 28.6799,
98.3344

■ 34.3254, 28.6799,
98.3344

■ 28.5150, 21.5226,
97.2591

■ 41.7184, 37.6106,
99.6685

■ 24.1665, 16.0161,
96.4254

■ 50.7960, 48.4205,
101.2766

■ 21.1469, 12.0262,
95.8145

■ 61.6553, 61.2104,
103.1729

■ 19.2964, 9.3954,
95.4042

■ 74.3853, 76.0728,
105.3707

■ 18.6077, 8.3354,
95.2359

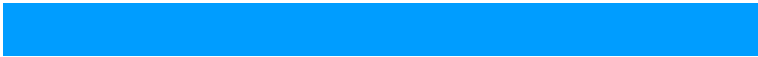
■ 89.0687, 93.0947,
107.8824

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.



25.3443, 28.6799, 106.0608



34.3254, 28.6799, 98.3344



42.8033, 28.6799, 69.1653

Triad

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



34.3254, 28.6799, 98.3344



38.4420, 28.6799, 6.5526



13.8907, 28.6799, 25.9395

Complementary

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



34.3254, 28.6799, 98.3344



74.7961, 83.1395, 29.2470

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.



16.0240, 28.6799, 10.5504



34.3254, 28.6799, 98.3344



29.2686, 28.6799, 3.8299

Square

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



34.3254, 28.6799, 98.3344



45.5086, 28.6799, 16.0098



21.2364, 28.6799, 4.7622



14.6865, 28.6799, 53.9132

Rectangle

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



34.3254, 28.6799, 98.3344



46.4060, 28.6799, 47.0527



21.2364, 28.6799, 4.7622



14.2710, 28.6799, 19.4200

Sweetspot

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



34.3265, 28.6808, 98.3345



71.3177, 72.5016, 104.8431



58.4794, 81.4709, 92.5606



14.6898, 14.8478, 22.3416



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.



34.3265, 28.6808, 98.3345



28.3753, 21.3483, 97.2328



40.7283, 28.5294, 97.9678



17.1953, 17.7622, 22.7721



9.7818, 4.4731, 49.7824



1.0092, 0.5491, 4.8661

Inverse Universe

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



52.1633, 35.9961, 27.4918



48.0439, 30.0773, 18.9662



64.1436, 85.7745, 30.3170



18.1065, 18.0259, 19.1779



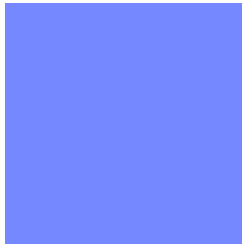
21.7256, 11.1795, 1.9394



2.1440, 1.1000, 0.3398

Previews

White Background



This preview shows how the XYZ color 34.3254, 28.6799, 98.3344 looks on a white background.

Color Contrast Check

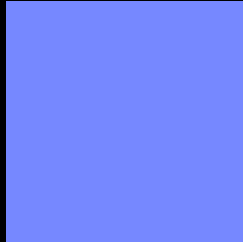
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3254, 28.6799, 98.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

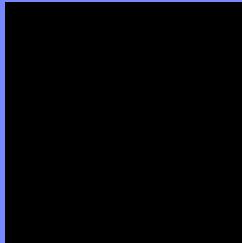
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3254, 28.6799, 98.3344

Background



This preview shows how black text looks on a background with the XYZ color 34.3254, 28.6799, 98.3344.



This preview shows how white text looks on a background with the XYZ color 34.3254, 28.6799,

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

34.3254, 28.6799, 98.3344

Protanopia

32.2372, 28.8932, 98.4856

Deuteranopia

29.8080, 28.8255, 96.0883



Tritanopia

23.0744, 28.7162, 41.8628

Trichromacy



Original Color

34.3254, 28.6799, 98.3344

Protanomaly

32.9076, 28.8009, 98.4325

Deuteranomaly

30.8603, 28.4422, 96.7919

Tritanomaly

26.3184, 28.3177, 58.7223

Monochromacy



Original Color

34.3254, 28.6799, 98.3344

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.1683, 27.6613, 49.2019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3254, 28.6799, 98.3344 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(118, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 136, 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(118, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 136, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3254, 28.6799, 98.3344 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(118, 136, 255) }
```


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

```
.border{ border-color:rgb(118, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 136,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3254, 28.6799, 98.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 136, 255) }
```

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

```
.background{ background-color: rgb(118,  
136, 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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