

Converting Colors

XYZ(37.5414, 29.5965,
106.7965)

Have a look what the booklet for
XYZ(37.5414, 29.5965, 106.7965)
contains.

XYZ(35.9532, 28.9006, 98.2912)	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(35.9532, 28.9006,
98.2912)**

Conversions

Conversions Part 1

Format	Color
Hex	8485FF
RGB	132, 133, 255
RGB Percent	52%, 52%, 100%
CMY	0.4823, 0.4784, 0.0000
CMYK	0.48, 0.48, 0.00, 0.00
HSL	240°, 100%, 76%
HSV	240°, 48%, 100%
XYZ	35.9532, 28.9006, 98.2912
YIQ	146.6090, -39.7580, 37.7300

Conversions

Conversions Part 2

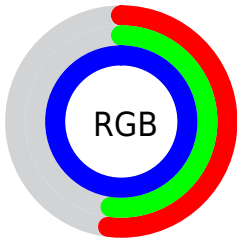
Format	Color
RYB	132, 133, 255
Decimal	8685055
CIELab	60.69, 31.03, -61.06
CIElCh	61, 68.494, 296.938
Yxy	28.9006, 0.2204, 0.1771
Android (android.graphics.Color)	4286875135 (0xFF8485FF)
YUV	146.6090, 53.4368, -12.8121
Hunter-Lab	53.7593, 25.2987, -70.7718

Details

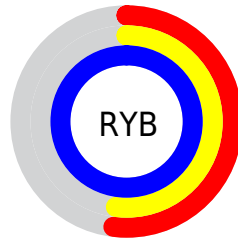
The XYZ color **35.9532, 28.9006, 98.2912** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.8480, 93.8118, 35.6780**, and the grayscale version is **27.3715, 28.7970, 31.3599**.

A 20% lighter version of the original color is **57.0948, 53.4142, 101.9085**, and **15.8469, 11.7115, 54.2486** is the 20% darker color. If you saturate the color by 10%, you get **29.3859, 20.9790, 97.1083**, and if you desaturate by 10%, it is **44.3307, 38.9936, 99.7978**.

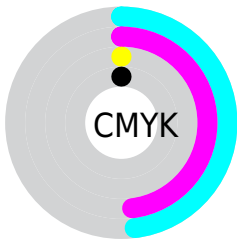
Distribution



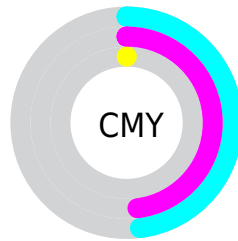
- Red (52%)
- Green (52%)
- Blue (100%)



- Red (52%)
- Yellow (52%)
- Blue (100%)



- Cyan (48%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9532, 28.9006, 98.2912 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 35.9532, 28.9006, 98.2912 by changing the saturation by 10% instead.

■ 35.9532, 28.9006,
98.2912

■ 35.9532, 28.9006,
98.2912

320.1908,
296.7457, 575.8999

■ 24.5680, 19.0056,
74.2653

■ 68.2842, 57.9191,
160.8383

■ 15.8825, 11.6744,
54.5131

■ 89.9606, 77.8115,
200.1965

■ 9.5314, 6.5223,
38.6161

■ 115.7983,
101.8051, 245.5026

■ 5.1492, 3.1652,
26.1557

146.1623,
130.2843, 297.1751

■ 2.3707, 1.2186,
16.7133

181.4183,
163.6336, 355.6325

■ 0.8305, 0.0768,
9.8705

221.9314,

■ 0.0000, 0.0000,

202.2373, 421.2934

5.2087

268.0671,
246.4799, 494.5764

■ 0.0000, 0.0000,
2.3094

■ 0.0000, 0.0000,
0.7365

■ 35.9532, 28.9006,
98.2912

■ 35.9532, 28.9006,
98.2912

■ 29.3859, 20.9790,
97.1083

■ 44.3307, 38.9936,
99.7978

■ 24.4925, 15.0670,
96.2251

■ 54.6348, 51.3982,
101.6490

■ 21.1225, 10.9849,
95.6148

■ 66.9762, 66.2462,
103.8645

■ 19.0975, 8.5199,
95.2457

■ 81.4561, 83.6588,
106.4623

■ 18.1773, 7.3909,
95.0763

95.0500, 100.0000,
108.9000

■ 18.0724, 7.2649,
95.0575

Harmonies

Analogous

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



26.5673, 28.9006, 109.9097



35.9532, 28.9006, 98.2912



44.4076, 28.9006, 66.3931

Triad

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



35.9532, 28.9006, 98.2912



37.8765, 28.9006, 5.7023



13.7035, 28.9006, 28.9277

Complementary

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



35.9532, 28.9006, 98.2912



80.8480, 93.8118, 35.6780

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.



15.5004, 28.9006, 11.6194



35.9532, 28.9006, 98.2912



28.3912, 28.9006, 3.5403

Square

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



35.9532, 28.9006, 98.2912



45.6756, 28.9006, 14.1066



20.4373, 28.9006, 4.9062



14.8860, 28.9006, 59.2262

Rectangle

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



35.9532, 28.9006, 98.2912



47.6847, 28.9006, 43.8633



20.4373, 28.9006, 4.9062



13.9677, 28.9006, 21.6598

Sweetspot

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



35.9543, 28.9015, 98.2913



72.8393, 73.2977, 104.9166



62.9982, 83.5146, 105.6864



14.9406, 14.9070, 22.3398



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.



35.9543, 28.9015, 98.2913



29.5195, 21.1402, 97.1324



47.9018, 34.8591, 98.8115



17.0149, 17.4013, 22.7120



9.4483, 3.8063, 49.6713



0.9239, 0.3785, 4.8376

Inverse Universe

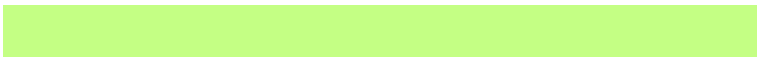
The Inverse Universe completely reimagines the original color for something new.



53.7257, 39.4574, 26.9754



49.2308, 32.8853, 18.0236



62.5739, 84.8619, 34.9136



18.0154, 17.9895, 18.6982



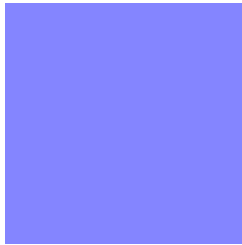
21.5573, 11.1122, 1.0532



2.1010, 1.0828, 0.1131

Previews

White Background



This preview shows how the XYZ color 35.9532, 28.9006, 98.2912 looks on a white background.

Color Contrast Check

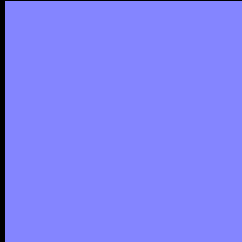
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.9532, 28.9006, 98.2912 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 35.9532, 28.9006, 98.2912

Background



This preview shows how black text looks on a background with the XYZ color 35.9532, 28.9006, 98.2912.



This preview shows how white text looks on a background with the XYZ color 35.9532, 28.9006,

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

35.9532, 28.9006, 98.2912

Protanopia

32.3391, 28.9457, 98.4904

Deuteranopia

30.2749, 29.2981, 96.1549



Tritanopia

24.3824, 28.9285, 40.3751

Trichromacy



Original Color

35.9532, 28.9006, 98.2912

Protanomaly

33.4670, 28.8734, 98.4170

Deuteranomaly

31.6719, 28.8606, 96.8299

Tritanomaly

27.5422, 28.2798, 57.4330

Monochromacy



Original Color

35.9532, 28.9006, 98.2912

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.6913, 28.6420, 50.4179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9532, 28.9006, 98.2912 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(132, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 133, 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(132, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.9532, 28.9006, 98.2912 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(132, 133, 255) }
```


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

```
.border{ border-color:rgb(132, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9532, 28.9006, 98.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 133, 255) }
```

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

```
.background{ background-color: rgb(132,  
133, 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