

Converting Colors

XYZ(36.3828, 30.2650,
106.6362)

Have a look what the booklet for
XYZ(36.3828, 30.2650, 106.6362)
contains.

XYZ(34.7538, 29.5368, 98.4772)	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(34.7538, 29.5368,
98.4772)**

Conversions

Conversions Part 1

Format	Color
Hex	768BFF
RGB	118, 139, 255
RGB Percent	46%, 55%, 100%
CMY	0.5372, 0.4549, 0.0000
CMYK	0.54, 0.45, 0.00, 0.00
HSL	231°, 100%, 73%
HSV	231°, 54%, 100%
XYZ	34.7538, 29.5368, 98.4772
YIQ	145.9450, -49.7520, 31.6240

Conversions

Conversions Part 2

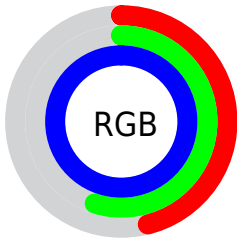
Format	Color
RYB	118, 136, 255
Decimal	7769087
CIELab	61.25, 24.56, -60.22
CIELCh	61, 65.034, 292.183
Yxy	29.5368, 0.2135, 0.1815
Android (android.graphics.Color)	4285959167 (0xFF768BFF)
YUV	145.9450, 53.7641, -24.5078
Hunter-Lab	54.3478, 19.0369, -69.3890

Details

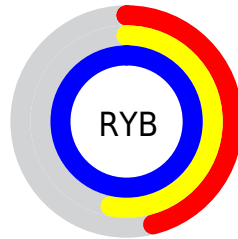
The XYZ color **34.7538, 29.5368, 98.4772** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.9345, 81.4163, 28.9596**, and the grayscale version is **27.1017, 28.5131, 31.0507**.

A 20% lighter version of the original color is **55.2597, 54.3843, 102.1925**, and **15.1186, 11.9329, 54.3298** is the 20% darker color. If you saturate the color by 10%, you get **28.9235, 22.3398, 97.3953**, and if you desaturate by 10%, it is **42.1395, 38.4528, 99.8089**.

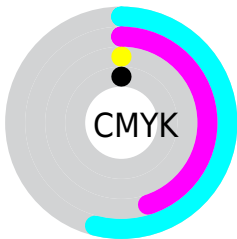
Distribution



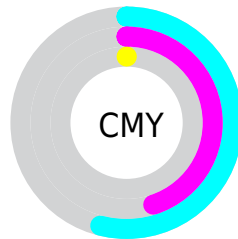
- Red (46%)
- Green (55%)
- Blue (100%)



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



- Cyan (54%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7538, 29.5368, 98.4772 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 34.7538, 29.5368, 98.4772 by changing the saturation by 10% instead.

■ 34.7538, 29.5368,
98.4772

■ 34.7538, 29.5368,
98.4772

315.0074,
299.7394, 576.5042

■ 23.6389, 19.4873,
74.4196

■ 66.4407, 58.9289,
161.0965

■ 15.1893, 12.0229,
54.6387

■ 87.7435, 79.0402,
200.4953

■ 9.0395, 6.7593,
38.7159

■ 113.1729,
103.2743, 245.8449

■ 4.8243, 3.3120,
26.2326

143.0943,
132.0155, 297.5639

■ 2.1782, 1.2967,
16.7704

177.8731,
165.6482, 356.0708

■ 0.7312, 0.1387,
9.9107

217.8747,

■ 0.0000, 0.0000,

204.5568, 421.7841

5.2350

263.4643,
249.1257, 495.1224

■ 0.0000, 0.0000,
2.3246

■ 0.0000, 0.0000,
0.7450

■ 34.7538, 29.5368,
98.4772

■ 34.7538, 29.5368,
98.4772

■ 28.9235, 22.3398,
97.3953

■ 42.1395, 38.4528,
99.8089

■ 24.5314, 16.7461,
96.5471

■ 51.1795, 49.1876,
101.4045

■ 21.4487, 12.6297,
95.9150

■ 61.9683, 61.8364,
103.2773

■ 19.5203, 9.8432,
95.4788

■ 74.5922, 76.4869,
105.4398

■ 18.7782, 8.6764,
95.2927

■ 89.1319, 93.2214,
107.9035

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.



25.8956, 29.5368, 105.0481



34.7538, 29.5368, 98.4772



43.1762, 29.5368, 70.5547

Triad

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



34.7538, 29.5368, 98.4772



39.4153, 29.5368, 7.4546



14.7275, 29.5368, 26.1697

Complementary

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



34.7538, 29.5368, 98.4772



73.9345, 81.4163, 28.9596

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.



16.9812, 29.5368, 11.0607



34.7538, 29.5368, 98.4772



30.3709, 29.5368, 4.4254

Square

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



34.7538, 29.5368, 98.4772



46.2260, 29.5368, 17.4512



22.3099, 29.5368, 5.2889



15.4309, 29.5368, 53.4282

Rectangle

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



34.7538, 29.5368, 98.4772



46.8263, 29.5368, 48.8351



22.3099, 29.5368, 5.2889



15.1451, 29.5368, 19.7928

Sweetspot

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



34.7549, 29.5377, 98.4773



71.5522, 72.9707, 104.9213



57.8214, 81.2077, 89.0960



14.7450, 14.9581, 22.3600



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.



34.7549, 29.5377, 98.4773



28.7831, 22.1638, 97.3688



39.7711, 28.0359, 97.9230



17.2277, 17.8270, 22.7829



9.8785, 4.6666, 49.8147



1.0244, 0.5794, 4.8711

Inverse Universe

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



52.3795, 36.0825, 28.6307



48.2497, 30.1596, 20.0500



65.4199, 86.4324, 30.3766



18.1228, 18.0324, 19.2640



21.7744, 11.1991, 2.1966



2.1517, 1.1030, 0.3801

Previews

White Background



This preview shows how the XYZ color 34.7538, 29.5368, 98.4772 looks on a white background.

Color Contrast Check

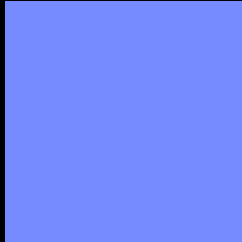
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7538, 29.5368, 98.4772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

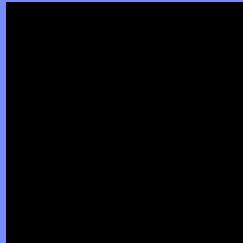
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7538, 29.5368, 98.4772

Background



This preview shows how black text looks on a background with the XYZ color 34.7538, 29.5368, 98.4772.



This preview shows how white text looks on a background with the XYZ color 34.7538, 29.5368,

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

34.7538, 29.5368, 98.4772

Protanopia

33.0603, 29.7632, 98.6101

Deuteranopia

30.7918, 29.7800, 97.0537



Tritanopia

23.6974, 29.5178, 42.9766

Trichromacy



Original Color

34.7538, 29.5368, 98.4772

Protanomaly

33.5487, 29.5693, 98.5470

Deuteranomaly

31.8525, 29.3850, 97.7590

Tritanomaly

26.9828, 29.1068, 60.0731

Monochromacy



Original Color

34.7538, 29.5368, 98.4772

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.8387, 28.4243, 50.4209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7538, 29.5368, 98.4772 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 139, 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, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.7538, 29.5368, 98.4772 is called "border". The border property can be set on classes, ids or directly on the HTML element.

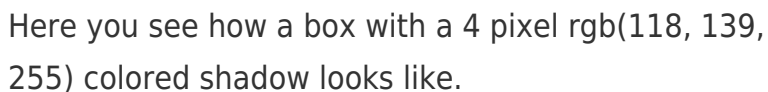
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 139, 255) }
```


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

```
.border{ border-color:rgb(118, 139, 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, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 139, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 139, 255); box-shadow:4px 4px 4px 4px rgb(118, 139, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7538, 29.5368, 98.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 139, 255) }
```

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

```
.background{ background-color: rgb(118,  
139, 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