

Converting Colors

XYZ(35.8532, 31.1193, 90.3432)

Have a look what the booklet for
XYZ(35.8532, 31.1193, 90.3432)
contains.

XYZ(35.9768, 31.2240, 90.5169)	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(35.9768, 31.2240,
90.5169)**

Conversions

Conversions Part 1

Format	Color
Hex	858FF5
RGB	133, 143, 245
RGB Percent	52%, 56%, 96%
CMY	0.4784, 0.4392, 0.0392
CMYK	0.46, 0.42, 0.00, 0.04
HSL	235°, 85%, 74%
HSV	235°, 46%, 96%
XYZ	35.9768, 31.2240, 90.5169
YIQ	151.6380, -38.7020, 29.6020

Conversions

Conversions Part 2

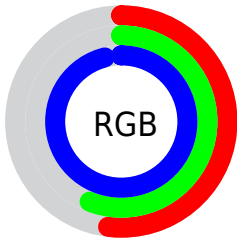
Format	Color
R_{YB}	133, 142, 245
Decimal	8753141
CIE _{Lab}	62.70, 22.48, -52.37
CIE _{LCh}	63, 56.992, 293.228
Yxy	31.2240, 0.2281, 0.1980
Android (android.graphics.Color)	4286943221 (0xFF858FF5)
YUV	151.6380, 46.0275, -16.3455
Hunter-Lab	55.8784, 17.1383, -56.9283

Details

The XYZ color **35.9768, 31.2240, 90.5169** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.6001, 80.5255, 33.9615**, and the grayscale version is **29.5104, 31.0473, 33.8105**.

A 20% lighter version of the original color is **59.5021, 58.2289, 102.7109**, and **15.8931, 12.9554, 49.2399** is the 20% darker color. If you saturate the color by 10%, you get **29.5271, 23.4117, 89.3495**, and if you desaturate by 10%, it is **43.9971, 40.8358, 91.9501**.

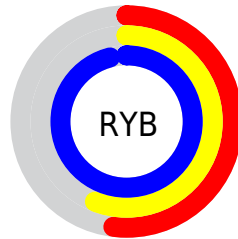
Distribution



Red (52%)

Green (56%)

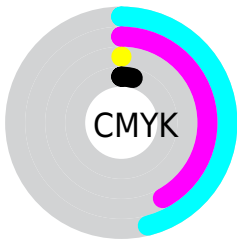
Blue (96%)



Red (52%)

Yellow (56%)

Blue (96%)

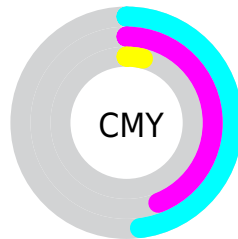


Cyan (46%)

Magenta (42%)

Yellow (0%)

Black (4%)



Cyan (48%)

Magenta (44%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9768, 31.2240, 90.5169 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 35.9768, 31.2240, 90.5169 by changing the saturation by 10% instead.

■ 35.9768, 31.2240,
90.5169

■ 35.9768, 31.2240,
90.5169

320.2921,
307.5690, 550.3243

■ 24.5863, 20.7695,
67.8333

■ 68.3204, 61.5926,
149.9980

■ 15.8962, 12.9556,
49.2963

■ 90.0041, 82.2754,
187.6325

■ 9.5411, 7.3980,
34.4873

■ 115.8497,
107.1365, 231.0878

■ 5.1557, 3.7122,
22.9878

146.2225,
136.5601, 280.7824

■ 2.3746, 1.5139,
14.3793

181.4877,
170.9308, 337.1348

■ 0.8324, 0.2985,
8.2432

222.0108,

■ 0.0000, 0.0000,

210.6329, 400.5636

4.1610

268.1572,
256.0508, 471.4872

■ 0.0000, 0.0000,
1.7141

■ 0.0000, 0.0000,
0.3703

■ 35.9768, 31.2240,
90.5169

■ 35.9768, 31.2240,
90.5169

■ 29.5271, 23.4117,
89.3495

■ 43.9971, 40.8358,
91.9501

■ 24.5411, 17.2835,
88.4295

■ 53.6782, 52.3463,
93.6616

■ 20.9040, 12.7154,
87.7394

■ 65.1080, 65.8513,
95.6659

■ 18.4824, 9.5650,
87.2590

■ 78.3669, 81.4394,
97.9759

■ 17.1145, 7.6633,
86.9640

■ 93.3440, 99.0975,
100.5948

■ 16.7660, 7.1614,
86.8855

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



27.9484, 31.2240, 96.7517



35.9768, 31.2240, 90.5169



43.3450, 31.2240, 66.6324

Triad

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



35.9768, 31.2240, 90.5169



39.5631, 31.2240, 9.9321



17.1635, 31.2240, 29.1923

Complementary

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



35.9768, 31.2240, 90.5169



71.6001, 80.5255, 33.9615

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.



19.2353, 31.2240, 14.2599



35.9768, 31.2240, 90.5169



31.4765, 31.2240, 6.7330

Square

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



35.9768, 31.2240, 90.5169



45.6554, 31.2240, 19.7457



24.1600, 31.2240, 7.8700



17.9443, 31.2240, 53.8477

Rectangle

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



35.9768, 31.2240, 90.5169



46.4276, 31.2240, 47.9186



24.1600, 31.2240, 7.8700



17.5354, 31.2240, 23.0734

Sweetspot

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



35.9780, 31.2251, 90.5177



73.6044, 74.8280, 105.1716



57.1491, 76.2214, 89.3924



15.1238, 15.2733, 22.4009



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.



35.9780, 31.2251, 90.5177



32.7115, 26.0961, 97.9207



43.1849, 32.8109, 90.4439



15.7001, 16.1644, 20.8351



9.0734, 3.9406, 46.8204



0.8372, 0.4258, 4.1283

Inverse Universe

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



51.0028, 38.1724, 30.6672



51.1905, 35.0038, 24.2288



60.7603, 79.3062, 34.2975



16.5592, 16.5065, 17.4252



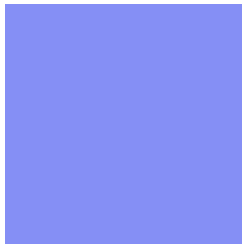
20.3844, 10.4972, 1.4664



1.8116, 0.9306, 0.2345

Previews

White Background



This preview shows how the XYZ color 35.9768, 31.2240, 90.5169 looks on a white background.

Color Contrast Check

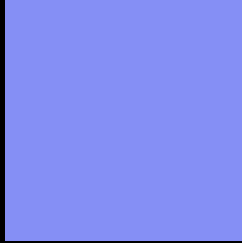
Large Text (above 18pt) WCAG AA × Fail

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 35.9768, 31.2240, 90.5169 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 35.9768, 31.2240, 90.5169

Background



This preview shows how black text looks on a background with the XYZ color 35.9768, 31.2240, 90.5169.



This preview shows how white text looks on a background with the XYZ color 35.9768, 31.2240,

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

35.9768, 31.2240, 90.5169

Protanopia

34.2756, 31.3969, 94.6962

Deuteranopia

32.4429, 31.5242, 89.1689



Tritanopia

26.6546, 31.2855, 43.6636

Trichromacy



Original Color

35.9768, 31.2240, 90.5169

Protanomaly

34.6934, 31.1866, 92.9980

Deuteranomaly

33.6321, 31.4061, 89.8773

Tritanomaly

29.4458, 30.8991, 58.4450

Monochromacy



Original Color

35.9768, 31.2240, 90.5169

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.2874, 31.0598, 50.8005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9768, 31.2240, 90.5169 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(133, 143, 245)` looks like.

```
.text, #text, p{  
    color:rgb(133, 143, 245)  
}
```

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(133, 143, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 143, 245) }
```

Border

The CSS property to change the border of an element to XYZ 35.9768, 31.2240, 90.5169 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(133, 143, 245) }
```


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

```
.border{ border-color:rgb(133, 143, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 143, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 143, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 143, 245);  
box-shadow:4px 4px 4px 4px rgb(133, 143,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9768, 31.2240, 90.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 143, 245) }
```

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

```
.background{ background-color: rgb(133,  
143, 245) }
```

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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