

Converting Colors

XYZ(39.6311, 30.3451,
119.4032)

Have a look what the booklet for
XYZ(39.6311, 30.3451, 119.4032)
contains.

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Color

**XYZ(35.6434, 28.7409,
98.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	8285FF
RGB	130, 133, 255
RGB Percent	51%, 52%, 100%
CMY	0.4902, 0.4784, 0.0000
CMYK	0.49, 0.48, 0.00, 0.00
HSL	239°, 100%, 75%
HSV	239°, 49%, 100%
XYZ	35.6434, 28.7409, 98.2767
YIQ	146.0110, -40.9500, 37.3060

Conversions

Conversions Part 2

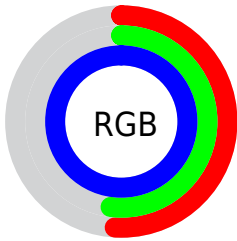
Format	Color
RYB	130, 133, 255
Decimal	8553983
CIELab	60.55, 30.60, -61.30
CIELCh	61, 68.509, 296.528
Yxy	28.7409, 0.2191, 0.1767
Android (android.graphics.Color)	4286744063 (0xFF8285FF)
YUV	146.0110, 53.7316, -14.0416
Hunter-Lab	53.6105, 24.8587, -71.1607

Details

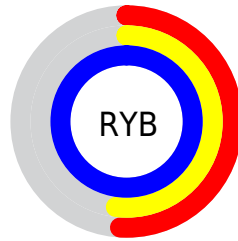
The XYZ color **35.6434, 28.7409, 98.2767** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.0811, 92.4947, 34.7535**, and the grayscale version is **27.1261, 28.5387, 31.0787**.

A 20% lighter version of the original color is **56.5952, 53.1566, 101.8851**, and **15.7026, 11.6371, 54.2419** is the 20% darker color. If you saturate the color by 10%, you get **29.1923, 20.9424, 97.1114**, and if you desaturate by 10%, it is **43.8729, 38.6550, 99.7566**.

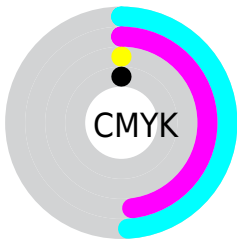
Distribution



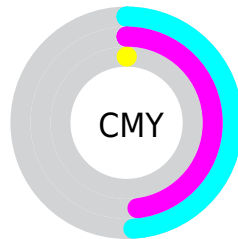
- Red (51%)
- Green (52%)
- Blue (100%)



- Red (51%)
- Yellow (52%)
- Blue (100%)



- Cyan (49%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6434, 28.7409, 98.2767 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 35.6434, 28.7409, 98.2767 by changing the saturation by 10% instead.

■ 35.6434, 28.7409,
98.2767

■ 35.6434, 28.7409,
98.2767

318.8577,
295.9905, 575.8528

■ 24.3277, 18.8849,
74.2533

■ 67.8088, 57.6652,
160.8181

■ 15.7030, 11.5871,
54.5033

■ 89.3892, 77.5022,
200.1732

■ 9.4037, 6.4632,
38.6083

■ 115.1220,
101.4351, 245.4759

■ 5.0647, 3.1287,
26.1497

145.3724,
129.8482, 297.1448

■ 2.3204, 1.1993,
16.7089

180.5058,
163.1259, 355.5984

■ 0.8051, 0.0611,
9.8674

220.8876,

■ 0.0000, 0.0000,

201.6526, 421.2552

5.2067

266.8831,
245.8126, 494.5338

■ 0.0000, 0.0000,
2.3082

■ 0.0000, 0.0000,
0.7358

■ 35.6434, 28.7409,
98.2767

■ 35.6434, 28.7409,
98.2767

■ 29.1923, 20.9424,
97.1114

■ 43.8729, 38.6550,
99.7566

■ 24.3853, 15.1034,
96.2377

■ 53.9952, 50.8203,
101.5712

■ 21.0749, 11.0507,
95.6300

■ 66.1191, 65.3642,
103.7394

■ 19.0854, 8.5797,
95.2579

■ 80.3439, 82.4037,
106.2787

■ 18.1743, 7.4220,
95.0824

95.0500, 100.0000,
108.9000

■ 18.1164, 7.3527,
95.0721

Harmonies

Analogous

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



26.2997, 28.7409, 109.4883



35.6434, 28.7409, 98.2767



44.1107, 28.7409, 66.5987

Triad

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



35.6434, 28.7409, 98.2767



37.8175, 28.7409, 5.7051



13.6100, 28.7409, 28.4344

Complementary

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



35.6434, 28.7409, 98.2767



80.0811, 92.4947, 34.7535

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.



15.4403, 28.7409, 11.3775



35.6434, 28.7409, 98.2767



28.3609, 28.7409, 3.5020

Square

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



35.6434, 28.7409, 98.2767



45.5444, 28.7409, 14.1852



20.4008, 28.7409, 4.8079



14.7465, 28.7409, 58.4940

Rectangle

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



35.6434, 28.7409, 98.2767



47.4303, 28.7409, 44.0751



20.4008, 28.7409, 4.8079



13.8865, 28.7409, 21.2586

Sweetspot

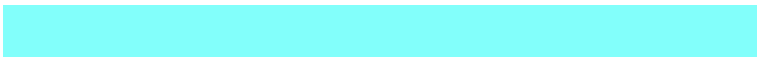
The Sweet Spot groups the original color and five complimentary colors.



35.6445, 28.7418, 98.2768



71.5761, 71.9037, 104.7141



62.3531, 83.2208, 103.9061



14.6982, 14.6450, 22.3020



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.



35.6445, 28.7418, 98.2768



29.2021, 20.9543, 97.1132



46.8553, 33.9207, 98.6856



17.0379, 17.4475, 22.7196



9.4813, 3.8721, 49.6823



0.9349, 0.4005, 4.8413

Inverse Universe

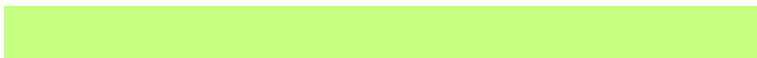
The Inverse Universe completely reimagines the original color for something new.



53.4571, 38.9202, 26.8858



48.9610, 32.3578, 17.8963



62.7290, 84.9575, 34.2132



18.0270, 17.9941, 18.7595



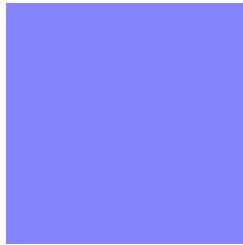
21.5739, 11.1189, 1.1407



2.1065, 1.0850, 0.1423

Previews

White Background



This preview shows how the XYZ color 35.6434, 28.7409, 98.2767 looks on a white background.

Color Contrast Check

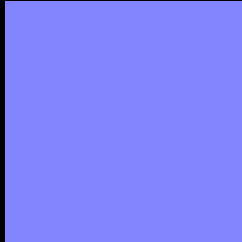
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6434, 28.7409, 98.2767 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 35.6434, 28.7409, 98.2767

Background



This preview shows how black text looks on a background with the XYZ color 35.6434, 28.7409, 98.2767.



This preview shows how white text looks on a background with the XYZ color 35.6434, 28.7409,

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

35.6434, 28.7409, 98.2767

Protanopia

32.3391, 28.9457, 98.4904

Deuteranopia

29.9910, 28.9198, 96.0969



Tritanopia

24.0321, 28.7479, 40.3587

Trichromacy



Original Color

35.6434, 28.7409, 98.2767

Protanomaly

33.3460, 28.8110, 98.4113

Deuteranomaly

31.3331, 28.4641, 96.7712

Tritanomaly

27.2820, 28.1457, 57.4208

Monochromacy



Original Color

35.6434, 28.7409, 98.2767

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.2030, 28.1704, 50.3526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6434, 28.7409, 98.2767 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(130, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.6434, 28.7409, 98.2767 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(130, 133, 255) }
```


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

```
.border{ border-color:rgb(130, 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(130, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6434, 28.7409, 98.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 133, 255) }
```

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

```
.background{ background-color: rgb(130,  
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](#).

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