

Converting Colors

XYZ(34.5933, 28.1200, 96.1400)

Have a look what the booklet for
XYZ(34.5933, 28.1200, 96.1400)
contains.

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Color

**XYZ(34.5851, 28.0300,
96.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	7E84FD
RGB	126, 132, 253
RGB Percent	49%, 52%, 99%
CMY	0.5059, 0.4823, 0.0078
CMYK	0.50, 0.48, 0.00, 0.01
HSL	237°, 97%, 74%
HSV	237°, 50%, 99%
XYZ	34.5851, 28.0300, 96.5160
YIQ	144.0000, -42.4170, 36.3590

Conversions

Conversions Part 2

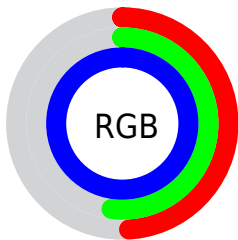
Format	Color
RYB	126, 132, 253
Decimal	8291581
CIELab	59.92, 29.74, -61.23
CIELCh	60, 68.071, 295.903
Yxy	28.0300, 0.2173, 0.1761
Android (android.graphics.Color)	4286481661 (0xFF7E84FD)
YUV	144.0000, 53.7370, -15.7860
Hunter-Lab	52.9434, 23.9537, -71.0256

Details

The XYZ color **34.5851, 28.0300, 96.5160** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.5370, 88.9141, 32.8162**, and the grayscale version is **26.3132, 27.6835, 30.1474**.

A 20% lighter version of the original color is **55.4065, 52.2322, 101.7693**, and **15.1714, 11.2620, 53.5987** is the 20% darker color. If you saturate the color by 10%, you get **28.4153, 20.5448, 95.3970**, and if you desaturate by 10%, it is **42.4556, 37.5135, 97.9323**.

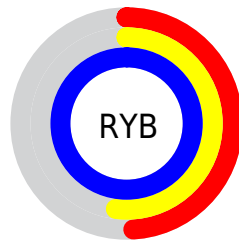
Distribution



Red (49%)

Green (52%)

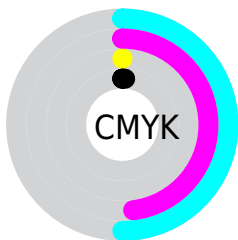
Blue (99%)



Red (49%)

Yellow (52%)

Blue (99%)

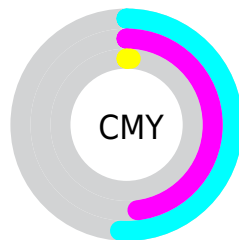


Cyan (50%)

Magenta (48%)

Yellow (0%)

Black (1%)



Cyan (51%)

Magenta (48%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5851, 28.0300, 96.5160 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 34.5851, 28.0300, 96.5160 by changing the saturation by 10% instead.

■ 34.5851, 28.0300,
96.5160

■ 34.5851, 28.0300,
96.5160

314.2734,
292.6102, 570.1148

■ 23.5085, 18.3483,
72.7935

■ 66.1808, 56.5323,
158.3709

■ 15.0922, 11.2003,
53.3164

■ 87.4305, 76.1217,
197.3404

■ 8.9708, 6.2017,
37.6659

■ 112.8021, 99.7825,
242.2294

■ 4.7791, 2.9681,
25.4237

142.6607,
127.8990, 293.4564

■ 2.1517, 1.1151,
16.1711

177.3718,
160.8556, 351.4399

■ 0.7171, 0.0000,
9.4897

217.3007,

■ 0.0000, 0.0000,

199.0368, 416.5984

4.9608

262.8128,
242.8268, 489.3505

■ 0.0000, 0.0000,
2.1659

■ 0.0000, 0.0000,
0.6546

■ 34.5851, 28.0300,
96.5160

■ 34.5851, 28.0300,
96.5160

■ 28.4153, 20.5448,
95.3970

■ 42.4556, 37.5135,
97.9323

■ 23.8173, 14.9123,
94.5522

■ 52.1359, 49.1214,
99.6626

■ 20.6497, 10.9715,
93.9584

■ 63.7302, 62.9727,
101.7251

■ 18.7441, 8.5325,
93.5881

■ 77.3337, 79.1769,
104.1358

■ 17.8605, 7.3535,
93.4071

■ 93.0353, 97.8361,
106.9099

94.7297, 99.8719,
107.2135

Harmonies

Analogous

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



25.4714, 28.0300, 106.9134



34.5851, 28.0300, 96.5160



42.9180, 28.0300, 65.7525

Triad

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



34.5851, 28.0300, 96.5160



37.0916, 28.0300, 5.6324



13.2607, 28.0300, 27.2429

Complementary

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



34.5851, 28.0300, 96.5160



77.5370, 88.9141, 32.8162

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.



15.1090, 28.0300, 10.8522



34.5851, 28.0300, 96.5160



27.8472, 28.0300, 3.4019

Square

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



34.5851, 28.0300, 96.5160



44.5711, 28.0300, 14.0863



20.0184, 28.0300, 4.6001



14.3097, 28.0300, 56.4055

Rectangle

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



34.5851, 28.0300, 96.5160



46.2399, 28.0300, 43.6486



20.0184, 28.0300, 4.6001



13.5506, 28.0300, 20.3293

Sweetspot

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



34.5863, 28.0309, 96.5167



71.8068, 72.3650, 104.7910



60.4653, 81.3810, 100.2348



14.7528, 14.7541, 22.3202



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.



34.5863, 28.0309, 96.5167



29.0220, 21.0297, 97.1373



44.7564, 32.1013, 96.7664



17.0718, 17.5152, 22.7309



9.5295, 3.9686, 49.6983



0.9510, 0.4327, 4.8467

Inverse Universe

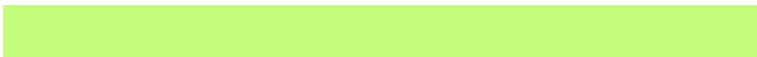
The Inverse Universe completely reimagines the original color for something new.



52.1349, 37.4720, 26.3154



48.7637, 31.8717, 18.1128



61.6186, 83.4736, 32.6051



18.0441, 18.0010, 18.8495



21.5983, 11.1286, 1.2690



2.1146, 1.0882, 0.1850

Previews

White Background



This preview shows how the XYZ color 34.5851, 28.0300, 96.5160 looks on a white background.

Color Contrast Check

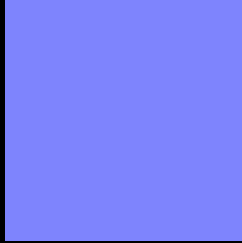
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5851, 28.0300, 96.5160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

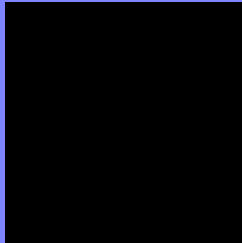
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5851, 28.0300, 96.5160

Background



This preview shows how black text looks on a background with the XYZ color 34.5851, 28.0300, 96.5160.



This preview shows how white text looks on a background with the XYZ color 34.5851, 28.0300,

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

34.5851, 28.0300, 96.5160

Protanopia

31.6445, 28.1498, 98.3734

Deuteranopia

29.3378, 28.3897, 94.3760



Tritanopia

23.3284, 28.1517, 39.8016

Trichromacy



Original Color

34.5851, 28.0300, 96.5160

Protanomaly

32.4286, 27.9306, 97.4479

Deuteranomaly

30.5047, 27.8538, 95.0353

Tritanomaly

26.5101, 27.5332, 56.7405

Monochromacy



Original Color

34.5851, 28.0300, 96.5160

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.3463, 27.5352, 49.1682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5851, 28.0300, 96.5160 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(126, 132, 253)` looks like.

```
.text, #text, p{  
    color:rgb(126, 132, 253)  
}
```

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(126, 132, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 132, 253) }
```

Border

The CSS property to change the border of an element to XYZ 34.5851, 28.0300, 96.5160 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(126, 132, 253) }
```


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

```
.border{ border-color:rgb(126, 132, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 132, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 132, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 132, 253);  
box-shadow:4px 4px 4px 4px rgb(126, 132,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5851, 28.0300, 96.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 132, 253) }
```

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

```
.background{ background-color: rgb(126,  
132, 253) }
```

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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