

Converting Colors

XYZ(37.9386, 33.4780, 99.0701)

Have a look what the booklet for
XYZ(37.9386, 33.4780, 99.0701)
contains.

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Color

**XYZ(37.8507, 33.3820,
99.0562)**

Conversions

Conversions Part 1

Format	Color
Hex	8195FF
RGB	129, 149, 255
RGB Percent	51%, 58%, 100%
CMY	0.4941, 0.4157, 0.0000
CMYK	0.49, 0.42, 0.00, 0.00
HSL	230°, 100%, 75%
HSV	230°, 49%, 100%
XYZ	37.8507, 33.3820, 99.0562
YIQ	155.1040, -45.9460, 28.7260

Conversions

Conversions Part 2

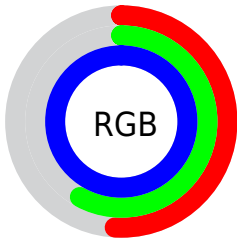
Format	Color
RYB	129, 146, 255
Decimal	8492543
CIELab	64.47, 21.01, -55.05
CIELCh	64, 58.926, 290.889
Yxy	33.3820, 0.2223, 0.1960
Android (android.graphics.Color)	4286682623 (0xFF8195FF)
YUV	155.1040, 49.2487, -22.8932
Hunter-Lab	57.7772, 15.8281, -61.2059

Details

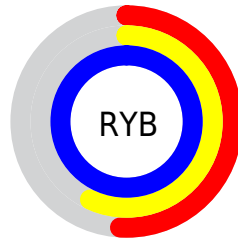
The XYZ color **37.8507, 33.3820, 99.0562** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.9123, 82.2640, 32.7011**, and the grayscale version is **31.0064, 32.6211, 35.5244**.

A 20% lighter version of the original color is **60.1450, 60.6232, 103.1392**, and **17.0388, 14.2298, 55.2747** is the 20% darker color. If you saturate the color by 10%, you get **31.3622, 25.4545, 97.8680**, and if you desaturate by 10%, it is **45.9331, 43.0601, 100.4982**.

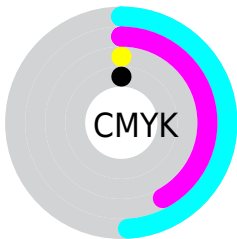
Distribution



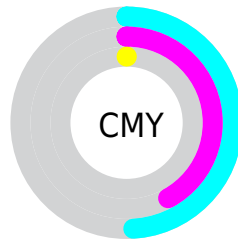
- Red (51%)
- Green (58%)
- Blue (100%)



- Red (51%)
- Yellow (57%)
- Blue (100%)



- Cyan (49%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8507, 33.3820, 99.0562 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 37.8507, 33.3820, 99.0562 by changing the saturation by 10% instead.

■ 37.8507, 33.3820,
99.0562

■ 37.8507, 33.3820,
99.0562

328.2710,
317.3675, 578.3833

■ 26.0435, 22.4192,
74.9001

■ 71.1846, 64.9715,
161.9001

■ 16.9891, 14.1653,
55.0298

■ 93.4421, 86.3670,
201.4250

■ 10.3219, 8.2357,
39.0268

■ 119.9136,
112.0088, 246.9099

■ 5.6768, 4.2461,
26.4726

150.9647,
142.2815, 298.7733

■ 2.6884, 1.8122,
16.9486

186.9606,
177.5693, 357.4339

■ 0.9912, 0.4947,
10.0363

228.2668,

■ 0.0000, 0.0000,

218.2566, 423.3100

5.3171

275.2484,
264.7279, 496.8203

■ 0.0000, 0.0000,
2.3725

■ 0.0000, 0.0000,
0.7714

■ 37.8507, 33.3820,
99.0562

■ 37.8507, 33.3820,
99.0562

■ 31.3622, 25.4545,
97.8680

■ 45.9331, 43.0601,
100.4982

■ 26.3563, 19.1678,
96.9184

■ 55.7032, 54.5828,
102.2074

■ 22.7128, 14.4045,
96.1910

■ 67.2517, 68.0414,
104.1965

■ 20.2902, 11.0292,
95.6672

■ 80.6619, 83.5200,
106.4774

■ 18.8875, 8.8671,
95.3238

95.0500, 100.0000,
108.9000

■ 18.8247, 8.7695,
95.3082

Harmonies

Analogous

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



29.2361, 33.3820, 103.9328



37.8507, 33.3820, 99.0562



46.0027, 33.3820, 74.0893

Triad

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



37.8507, 33.3820, 99.0562



43.0621, 33.3820, 10.9539



18.2903, 33.3820, 29.4957

Complementary

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



37.8507, 33.3820, 99.0562



74.9123, 82.2640, 32.7011

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.



20.7625, 33.3820, 14.2605



37.8507, 33.3820, 99.0562



34.3588, 33.3820, 7.1152

Square

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



37.8507, 33.3820, 99.0562



49.3616, 33.3820, 22.2089



26.3050, 33.3820, 7.9770



18.8916, 33.3820, 55.4870

Rectangle

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



37.8507, 33.3820, 99.0562



49.5923, 33.3820, 53.7165



26.3050, 33.3820, 7.9770



18.7704, 33.3820, 23.1951

Sweetspot

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



37.8519, 33.3831, 99.0563



72.9308, 74.6129, 105.1656



59.6656, 82.1281, 90.5502



15.0193, 15.2872, 22.4091



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.



37.8519, 33.3831, 99.0563



31.5980, 25.7462, 97.9119



42.6964, 31.5804, 98.4530



17.2358, 17.8432, 22.7856



9.9048, 4.7191, 49.8234



1.0281, 0.5870, 4.8724

Inverse Universe

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



54.5160, 39.1320, 33.1145



50.1703, 32.8415, 24.2647



67.1640, 87.2516, 34.0722



18.1269, 18.0341, 19.2854



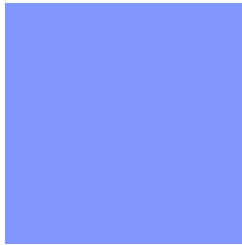
21.7877, 11.2044, 2.2664



2.1536, 1.1038, 0.3901

Previews

White Background



This preview shows how the XYZ color 37.8507, 33.3820, 99.0562 looks on a white background.

Color Contrast Check

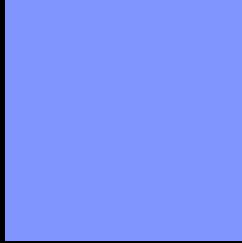
Large Text (above 18pt) WCAG AA × Fail

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 37.8507, 33.3820, 99.0562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

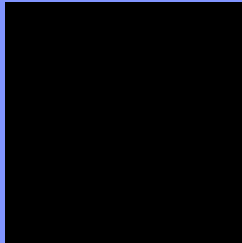
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8507, 33.3820, 99.0562

Background



This preview shows how black text looks on a background with the XYZ color 37.8507, 33.3820, 99.0562.



This preview shows how white text looks on a background with the XYZ color 37.8507, 33.3820,

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

37.8507, 33.3820, 99.0562

Protanopia

36.3485, 33.3213, 99.1236

Deuteranopia

34.4420, 33.3556, 97.5515



Tritanopia

27.7168, 33.5913, 47.6708

Trichromacy



Original Color

37.8507, 33.3820, 99.0562

Protanomaly

36.8623, 33.3463, 99.1014

Deuteranomaly

35.4650, 33.1264, 98.2908

Tritanomaly

30.7727, 33.2240, 63.8225

Monochromacy



Original Color

37.8507, 33.3820, 99.0562

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.6493, 32.6550, 53.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8507, 33.3820, 99.0562 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(129, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 149, 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(129, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8507, 33.3820, 99.0562 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(129, 149, 255) }
```


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

```
.border{ border-color:rgb(129, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8507, 33.3820, 99.0562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 149, 255) }
```

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

```
.background{ background-color: rgb(129,  
149, 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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