

Converting Colors

XYZ(33.4440, 23.5416, 89.9440)

Have a look what the booklet for
XYZ(33.4440, 23.5416, 89.9440)
contains.

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Color

**XYZ(33.5382, 23.6453,
89.9851)**

Conversions

Conversions Part 1

Format	Color
Hex	8F6EF6
RGB	143, 110, 246
RGB Percent	56%, 43%, 96%
CMY	0.4392, 0.5686, 0.0353
CMYK	0.42, 0.55, 0.00, 0.04
HSL	255°, 88%, 70%
HSV	255°, 55%, 96%
XYZ	33.5382, 23.6453, 89.9851
YIQ	135.3710, -23.9880, 49.2920

Conversions

Conversions Part 2

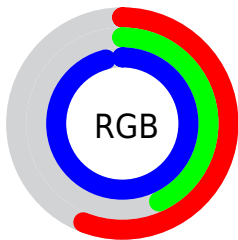
Format	Color
R _Y B	143, 110, 246
Decimal	9400054
CIE _{Lab}	55.73, 44.14, -64.01
CIE _{LCh}	56, 77.754, 304.586
Y _{xy}	23.6453, 0.2279, 0.1607
Android (android.graphics.Color)	4287590134 (0xFF8F6EF6)
Y _{UV}	135.3710, 54.5401, 6.6906
Hunter-Lab	48.6264, 38.0172, -75.6799

Details

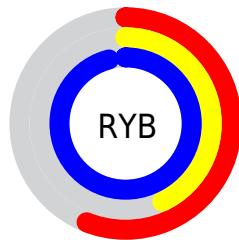
The XYZ color **33.5382, 23.6453, 89.9851** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **63.2102, 81.1834, 27.0907**, and the grayscale version is **22.9778, 24.1744, 26.3260**.

A 20% lighter version of the original color is **55.5043, 45.9709, 100.5556**, and **14.5102, 8.8964, 49.0965** is the 20% darker color. If you saturate the color by 10%, you get **28.2813, 17.5273, 89.0818**, and if you desaturate by 10%, it is **40.0694, 31.5140, 91.1602**.

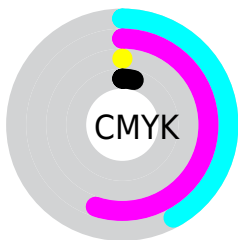
Distribution



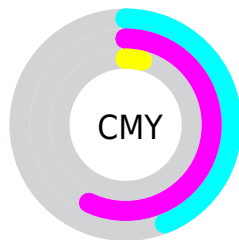
- Red (56%)
- Green (43%)
- Blue (96%)



- Red (56%)
- Yellow (43%)
- Blue (96%)



- Cyan (42%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)





- Cyan (44%)
- Magenta (57%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5382, 23.6453, 89.9851 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 33.5382, 23.6453, 89.9851 by changing the saturation by 10% instead.

 33.5382, 23.6453,
89.9851

 33.5382, 23.6453,
89.9851

309.6902,
271.0223, 548.5512


 22.7003, 15.0707,
67.3946

 64.5640, 49.4508,
149.2530


 14.4918, 8.8690,
48.9418

 85.4825, 67.4504,
186.7676

 8.5475, 4.6559,
34.2080

 110.4919, 89.3606,
230.0939

 4.5020, 2.0468,
22.7748

 139.9576,
115.5656, 279.6506

 1.9898, 0.6344,
14.2236

174.2450,
146.4499, 335.8561

 0.6283, 0.0000,
8.1358

213.7193,

 0.0000, 0.0000,

182.3978, 399.1290

4.0930

258.7459,
223.7938, 469.8879

■ 0.0000, 0.0000,
1.6765

■ 0.0000, 0.0000,
0.3445

■ 33.5382, 23.6453,
89.9851

■ 33.5382, 23.6453,
89.9851

■ 28.2813, 17.5273,
89.0818

■ 40.0694, 31.5140,
91.1602

■ 24.2063, 13.0187,
88.4263

■ 47.9517, 41.2547,
92.6249

■ 21.2128, 9.9596,
87.9936

■ 57.2595, 52.9803,
94.3976

■ 19.1791, 8.1536,
87.7522

■ 68.0604, 66.7942,
96.4946

■ 18.4799, 7.6051,
87.6832

■ 80.4180, 82.7923,
98.9313

■ 93.5561, 99.3934,
101.4432

■ 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



23.8574, 23.6453, 110.8201



33.5382, 23.6453, 89.9851



41.5309, 23.6453, 52.7131

Triad

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



33.5382, 23.6453, 89.9851



30.5641, 23.6453, 2.0776



9.4557, 23.6453, 29.8270

Complementary

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



33.5382, 23.6453, 89.9851



63.2102, 81.1834, 27.0907

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.



10.3747, 23.6453, 10.0234



33.5382, 23.6453, 89.9851



21.1454, 23.6453, 1.3394

Square

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



33.5382, 23.6453, 89.9851



39.5226, 23.6453, 6.8482



14.1580, 23.6453, 2.8903



11.2058, 23.6453, 64.3177

Rectangle

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



33.5382, 23.6453, 89.9851



43.9327, 23.6453, 30.6042



14.1580, 23.6453, 2.8903



9.4677, 23.6453, 21.4307

Sweetspot

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



33.5393, 23.6461, 89.9857



71.6824, 69.6886, 104.2809



47.1795, 58.1976, 95.9359



14.8221, 14.2481, 22.2189



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.



33.5393, 23.6461, 89.9857



30.2673, 18.5417, 96.5914



48.7134, 31.4687, 90.6958



15.9577, 16.1209, 20.8131



9.9687, 4.1134, 46.8066



0.9651, 0.4074, 4.1180

Inverse Universe

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



55.5922, 35.5491, 66.8805



56.7817, 32.8910, 67.0801



47.6722, 73.1733, 26.3635



17.0317, 16.6955, 19.9133



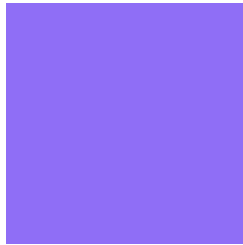
25.0921, 12.3803, 26.2572



2.2455, 1.1041, 2.5190

Previews

White Background



This preview shows how the XYZ color 33.5382, 23.6453, 89.9851 looks on a white background.

Color Contrast Check

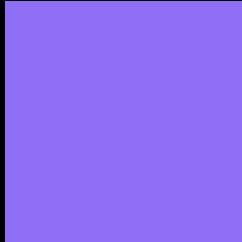
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5382, 23.6453, 89.9851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

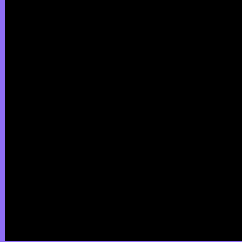
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5382, 23.6453, 89.9851

Background



This preview shows how black text looks on a background with the XYZ color 33.5382, 23.6453, 89.9851.



This preview shows how white text looks on a background with the XYZ color 33.5382, 23.6453,

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

33.5382, 23.6453, 89.9851

Protanopia

27.8247, 23.9126, 97.7568

Deuteranopia

24.7293, 24.0011, 85.7674



Tritanopia

21.6784, 23.6368, 31.0236

Trichromacy



Original Color

33.5382, 23.6453, 89.9851

Protanomaly

28.8446, 23.1715, 95.0477

Deuteranomaly

25.6030, 22.6137, 87.0199

Tritanomaly

25.0387, 23.1868, 47.9556

Monochromacy



Original Color

33.5382, 23.6453, 89.9851

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.6800, 23.4201, 43.7245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5382, 23.6453, 89.9851 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(143, 110, 246)` looks like.

```
.text, #text, p{  
    color:rgb(143, 110, 246)  
}
```

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(143, 110, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 110, 246) }
```

Border

The CSS property to change the border of an element to XYZ 33.5382, 23.6453, 89.9851 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(143, 110, 246) }
```


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

```
.border{ border-color:rgb(143, 110, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 110, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 110, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 110, 246);  
box-shadow:4px 4px 4px 4px rgb(143, 110,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5382, 23.6453, 89.9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 110, 246) }
```

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

```
.background{ background-color: rgb(143,  
110, 246) }
```

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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