

Converting Colors

XYZ(24.4236, 13.8802, 95.9996)

Have a look what the booklet for
XYZ(24.4236, 13.8802, 95.9996)
contains.

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Color

**XYZ(24.4231, 13.8503,
95.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	5947FF
RGB	89, 71, 255
RGB Percent	35%, 28%, 100%
CMY	0.6509, 0.7216, 0.0000
CMYK	0.65, 0.72, 0.00, 0.00
HSL	246°, 100%, 64%
HSV	246°, 72%, 100%
XYZ	24.4231, 13.8503, 95.9939
YIQ	97.3580, -48.3360, 61.0400

Conversions

Conversions Part 2

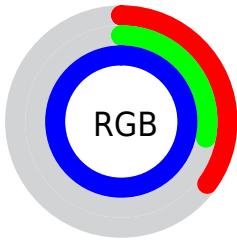
Format	Color
R_{YB}	89, 71, 255
Decimal	5851135
CIE _{Lab}	44.02, 59.18, -88.30
CIE _{LCh}	44, 106.294, 303.832
Yxy	13.8503, 0.1819, 0.1032
Android (android.graphics.Color)	4284041215 (0xFF5947FF)
YUV	97.3580, 77.7175, -7.3300
Hunter-Lab	37.2160, 52.0131, -126.8798

Details

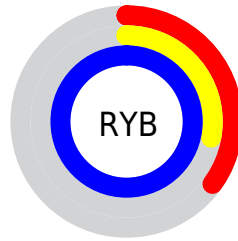
The XYZ color **24.4231, 13.8503, 95.9939** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed blue. A complement of this color would be **71.8181, 89.9773, 19.5430**, and the grayscale version is **11.2743, 11.8615, 12.9171**.

A 20% lighter version of the original color is **38.9142, 28.3072, 98.0206**, and **10.3462, 4.5675, 53.1596** is the 20% darker color. If you saturate the color by 10%, you get **21.2547, 10.2935, 95.4743**, and if you desaturate by 10%, it is **28.9623, 19.1225, 96.7723**.

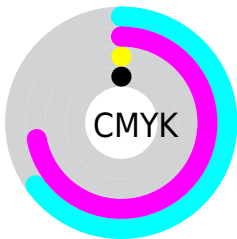
Distribution



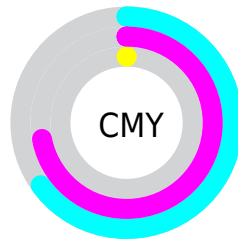
- Red (35%)
- Green (28%)
- Blue (100%)



- Red (35%)
- Yellow (28%)
- Blue (100%)



- Cyan (65%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4231, 13.8503, 95.9939 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 24.4231, 13.8503, 95.9939 by changing the saturation by 10% instead.

 24.4231, 13.8503,
95.9939


 24.4231, 13.8503,
95.9939


267.3536,
216.2975, 568.4074


 15.7742, 8.0166,
72.3610


 50.1694, 32.8232,
157.6444

 9.4543, 4.1056,
52.9650


 67.9976, 46.7312,
196.4991


 5.0982, 1.7328,
37.3873


 89.6162, 64.0994,
241.2647

 2.3403, 0.4448,
25.2094

 115.3906, 85.3122,
292.3600

 0.8152, 0.0000,
16.0127

 145.6862,
110.7540, 350.2034

 0.0000, 0.0000,
9.3787

180.8683,

 0.0000, 0.0000,

140.8093, 415.2133

4.8888

221.3023,
175.8623, 487.8085

■ 0.0000, 0.0000,
2.1246

■ 0.0000, 0.0000,
0.6303

■ 24.4231, 13.8503,
95.9939

■ 24.4231, 13.8503,
95.9939

■ 21.2547, 10.2935,
95.4743

■ 28.9623, 19.1225,
96.7723

■ 19.2965, 8.2339,
95.1800

■ 35.0038, 26.2909,
97.8375

■ 18.4500, 7.4262,
95.0687

■ 42.6661, 35.5139,
99.2139

■ 52.0551, 46.9331,
100.9231

■ 63.2678, 60.6775,
102.9851

■ 76.3939, 76.8663,
105.4180

■ 91.5171, 95.6102,
108.2389

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.2787, 13.8503, 125.2104



24.4231, 13.8503, 95.9939



33.7590, 13.8503, 46.2622

Triad

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



24.4231, 13.8503, 95.9939



21.6957, 13.8503, 0.0000



2.7041, 13.8503, 18.4042

Complementary

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



24.4231, 13.8503, 95.9939



71.8181, 89.9773, 19.5430

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.



3.3110, 13.8503, 2.4681



24.4231, 13.8503, 95.9939



12.1094, 13.8503, 0.0000

Square

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



24.4231, 13.8503, 95.9939



31.7678, 13.8503, 1.1832



6.0390, 13.8503, 0.0000



3.7621, 13.8503, 58.5731

Rectangle

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



24.4231, 13.8503, 95.9939



36.7853, 13.8503, 20.6456



6.0390, 13.8503, 0.0000



2.7243, 13.8503, 10.6180

Sweetspot

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



24.4239, 13.8505, 95.9939



63.4598, 60.9136, 103.0206



51.7104, 70.6835, 105.5256



12.8908, 12.1874, 21.9229



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.



24.4239, 13.8505, 95.9939



20.1663, 9.1245, 95.3061



38.7396, 21.2305, 96.6638



17.1679, 17.4628, 22.7158



9.6947, 3.9083, 49.6780



0.9964, 0.4076, 4.8394

Inverse Universe

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



58.7773, 31.8799, 83.1667



56.5364, 28.2554, 79.7766



49.0495, 78.2396, 18.4774



18.7115, 18.2679, 22.3638



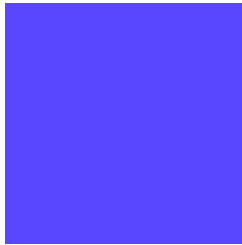
29.0460, 14.1077, 40.4883



2.8494, 1.3821, 4.0544

Previews

White Background



This preview shows how the XYZ color 24.4231, 13.8503, 95.9939 looks on a white background.

Color Contrast Check

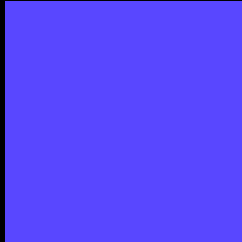
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.4231, 13.8503, 95.9939 looks on a black 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

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

XYZ 24.4231, 13.8503, 95.9939

Background



This preview shows how black text looks on a background with the XYZ color 24.4231, 13.8503, 95.9939.



This preview shows how white text looks on a background with the XYZ color 24.4231, 13.8503,

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

24.4231, 13.8503, 95.9939

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.2907, 13.5627, 44.5652



Tritanopia

9.5925, 13.4647, 20.8323

Trichromacy



Original Color

24.4231, 13.8503, 95.9939

Protanomaly

17.8955, 12.9428, 73.5065

Deuteranomaly

15.7725, 12.6408, 60.6401

Tritanomaly

12.3140, 11.9827, 40.1920

Monochromacy



Original Color

24.4231, 13.8503, 95.9939

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.9386, 11.6922, 32.0940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4231, 13.8503, 95.9939 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(89, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 71, 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(89, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 71, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.4231, 13.8503, 95.9939 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(89, 71, 255) }
```


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

```
.border{ border-color:rgb(89, 71, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 71, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 71,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4231, 13.8503, 95.9939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 71, 255) }
```

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

```
.background{ background-color: rgb(89, 71,  
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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