

Converting Colors

XYZ(44.4775, 27.6094, 93.4122)

Have a look what the booklet for XYZ(44.4775, 27.6094, 93.4122) contains.

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Color

**XYZ(44.4821, 27.5616,
93.4179)**

Conversions

Conversions Part 1

Format	Color
Hex	C463FA
RGB	196, 99, 250
RGB Percent	77%, 39%, 98%
CMY	0.2314, 0.6117, 0.0196
CMYK	0.22, 0.60, 0.00, 0.02
HSL	279°, 94%, 68%
HSV	279°, 60%, 98%
XYZ	44.4821, 27.5616, 93.4179
YIQ	145.2170, 9.3410, 67.5250

Conversions

Conversions Part 2

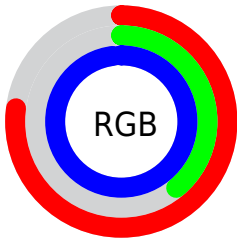
Format	Color
R_{YB}	196, 99, 250
Decimal	12870650
CIE _{Lab}	59.49, 62.81, -59.89
CIE _{LCh}	59, 86.782, 316.363
Yxy	27.5616, 0.2688, 0.1666
Android (android.graphics.Color)	4291060730 (0xFFC463FA)
YUV	145.2170, 51.6580, 44.5367
Hunter-Lab	52.4991, 59.3681, -68.7523

Details

The XYZ color **44.4821, 27.5616, 93.4179** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **49.5753, 76.0449, 23.8706**, and the grayscale version is **26.7969, 28.1924, 30.7016**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **20.9707, 10.9813, 51.4664** is the 20% darker color. If you saturate the color by 10%, you get **40.2132, 22.3729, 92.6419**, and if you desaturate by 10%, it is **49.6246, 34.2895, 94.4459**.

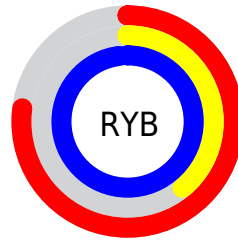
Distribution



Red (77%)

Green (39%)

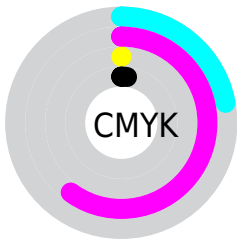
Blue (98%)



Red (77%)

Yellow (39%)

Blue (98%)

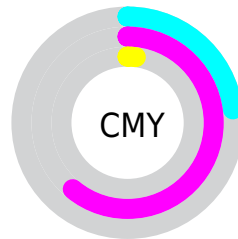


Cyan (22%)

Magenta (60%)

Yellow (0%)

Black (2%)



Cyan (23%)

Magenta (61%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4821, 27.5616, 93.4179 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 44.4821, 27.5616, 93.4179 by changing the saturation by 10% instead.


 44.4821, 27.5616,
93.4179

 44.4821, 27.5616,
93.4179


355.4911,
290.3661, 559.9420

 31.2492, 17.9954,
70.2293


 81.1846, 55.7838,
154.0538


 20.9415, 10.9467,
51.2355


 105.3849, 75.2085,
192.3381

 13.1934, 6.0310,
36.0181


 133.9717, 98.6883,
236.4914

 7.6398, 2.8640,
24.1583

 167.3104,
126.6075, 286.9323

 3.9152, 1.0611,
15.2378

205.7663,
159.3505, 344.0793

 1.6543, 0.0000,
8.8380

249.7048,

 0.4274, 0.0000,

197.3016, 408.3508

4.5403

299.4913,
240.8454, 480.1656

■ 0.0000, 0.0000,
1.9262

■ 0.0000, 0.0000,
0.5093

■ 44.4821, 27.5616,
93.4179

■ 44.4821, 27.5616,
93.4179

■ 40.2132, 22.3729,
92.6419

■ 49.6246, 34.2895,
94.4459

■ 36.7420, 18.5785,
92.0924

■ 55.7009, 42.6769,
95.7446

■ 33.9834, 16.0107,
91.7422

■ 62.7693, 52.8357,
97.3329

■ 31.8725, 14.4375,
91.5498

■ 70.8818, 64.8671,
99.2277

80.0868, 78.8644,
101.4442

90.4293, 94.9144,
103.9971

94.2554, 99.6822,
104.7157

Harmonies

Analogous

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



32.5561, 27.5616, 132.3114



44.4821, 27.5616, 93.4179



52.3010, 27.5616, 46.5041

Triad

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



44.4821, 27.5616, 93.4179



31.4555, 27.5616, 1.3093



10.7929, 27.5616, 50.2965

Complementary

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



44.4821, 27.5616, 93.4179



49.5753, 76.0449, 23.8706

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.



10.6506, 27.5616, 17.9654



44.4821, 27.5616, 93.4179



20.7242, 27.5616, 1.4031

Square

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



44.4821, 27.5616, 93.4179



43.4861, 27.5616, 4.1579



13.7668, 27.5616, 4.7223



14.2310, 27.5616, 97.7892

Rectangle

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



44.4821, 27.5616, 93.4179



53.0366, 27.5616, 23.8367



13.7668, 27.5616, 4.7223



10.3992, 27.5616, 37.1663

Sweetspot

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



44.4833, 27.5627, 93.4185



76.3319, 71.1487, 104.3177



34.0181, 32.7883, 94.9788



15.7673, 14.3690, 22.1924



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.



44.4833, 27.5627, 93.4185



41.4002, 22.6403, 96.7957



58.1511, 34.9542, 78.4474



17.3557, 17.1960, 21.7897



17.0687, 7.7419, 48.5683



1.6964, 0.7766, 4.5037

Inverse Universe

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



49.6366, 31.5485, 33.6110



48.0382, 27.6253, 26.4887



42.6698, 72.3596, 29.2137



17.5010, 17.3278, 19.2282



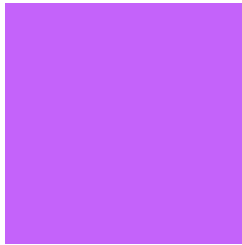
21.9395, 11.1915, 6.3900



2.0805, 1.0559, 0.8475

Previews

White Background



This preview shows how the XYZ color 44.4821, 27.5616, 93.4179 looks on a white background.

Color Contrast Check

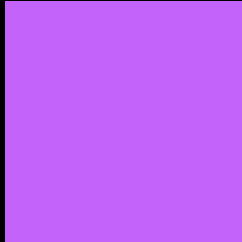
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.4821, 27.5616, 93.4179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

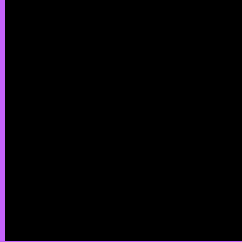
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.4821, 27.5616, 93.4179

Background



This preview shows how black text looks on a background with the XYZ color 44.4821, 27.5616, 93.4179.

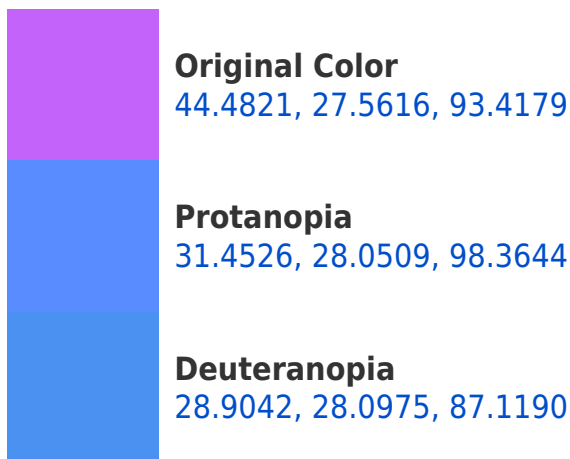


This preview shows how white text looks on a background with the XYZ color 44.4821, 27.5616,

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





Tritanopia

31.0764, 27.3237, 28.4470

Trichromacy



Original Color

44.4821, 27.5616, 93.4179



Protanomaly

33.8156, 26.2711, 96.2171



Deuteranomaly

31.6561, 25.8919, 88.9171



Tritanomaly

34.8426, 26.8032, 46.5171

Monochromacy



Original Color

44.4821, 27.5616, 93.4179



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

31.5763, 26.7498, 48.2987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4821, 27.5616, 93.4179 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(196, 99, 250)` looks like.

```
.text, #text, p{  
    color:rgb(196, 99, 250)  
}
```

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(196, 99, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 99, 250) }
```

Border

The CSS property to change the border of an element to XYZ 44.4821, 27.5616, 93.4179 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(196, 99, 250) }
```


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

```
.border{ border-color:rgb(196, 99, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 99, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 99, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 99, 250);  
box-shadow:4px 4px 4px 4px rgb(196, 99,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4821, 27.5616, 93.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 99, 250) }
```

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

```
.background{ background-color: rgb(196, 99,  
250) }
```

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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