

Converting Colors

XYZ(39.3092, 22.6462,
105.2898)

Have a look what the booklet for
XYZ(39.3092, 22.6462, 105.2898)
contains.

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Color

**XYZ(37.7979, 22.1067,
96.8826)**

Conversions

Conversions Part 1

Format	Color
Hex	AA54FF
RGB	170, 84, 255
RGB Percent	67%, 33%, 100%
CMY	0.3333, 0.6706, 0.0000
CMYK	0.33, 0.67, 0.00, 0.00
HSL	270°, 100%, 66%
HSV	270°, 67%, 100%
XYZ	37.7979, 22.1067, 96.8826
YIQ	129.2080, -3.6350, 71.4130

Conversions

Conversions Part 2

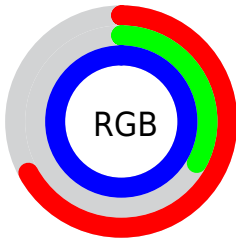
Format	Color
R_{YB}	170, 84, 255
Decimal	11162879
CIE _{Lab}	54.14, 65.36, -71.43
CIE _{LCh}	54, 96.823, 312.458
Yxy	22.1067, 0.2411, 0.1410
Android (android.graphics.Color)	4289352959 (0xFFAA54FF)
YUV	129.2080, 62.0155, 35.7746
Hunter-Lab	47.0178, 61.2163, -89.2578

Details

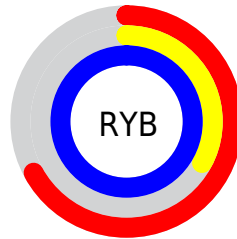
The XYZ color **37.7979, 22.1067, 96.8826** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **53.7221, 80.5949, 21.1128**, and the grayscale version is **20.7305, 21.8101, 23.7512**.

A 20% lighter version of the original color is **59.9157, 42.5082, 99.6547**, and **16.9602, 8.0640, 53.4859** is the 20% darker color. If you saturate the color by 10%, you get **33.5574, 17.4982, 96.2166**, and if you desaturate by 10%, it is **43.0245, 28.2926, 97.8011**.

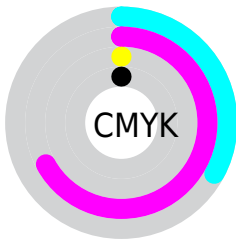
Distribution



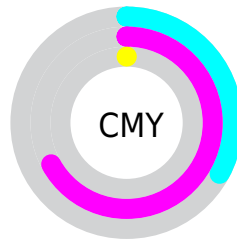
- Red (67%)
- Green (33%)
- Blue (100%)



- Red (67%)
- Yellow (33%)
- Blue (100%)



- Cyan (33%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7979, 22.1067, 96.8826 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 37.7979, 22.1067, 96.8826 by changing the saturation by 10% instead.


 37.7979, 22.1067,
96.8826


 37.7979, 22.1067,
96.8826

328.0481,
263.1030, 571.3121


 26.0024, 13.9353,
73.0973


 71.1042, 46.9223,
158.8808


 16.9581, 8.0757,
53.5633


 93.3456, 64.3353,
197.9309

 10.2997, 4.1434,
37.8618


 119.7997, 85.5976,
242.9062

 5.6619, 1.7541,
25.5744

 150.8319,
111.0937, 294.2255

 2.6793, 0.4583,
16.2826

186.8075,
141.2078, 352.3072

 0.9865, 0.0000,
9.5679

228.0918,

 0.0000, 0.0000,

176.3245, 417.5698

5.0116

275.0502,
216.8281, 490.4319

■ 0.0000, 0.0000,
2.1952

■ 0.0000, 0.0000,
0.6716

■ 37.7979, 22.1067,
96.8826

■ 37.7979, 22.1067,
96.8826

■ 33.5574, 17.4982,
96.2166

■ 43.0245, 28.2926,
97.8011

■ 30.2101, 14.2962,
95.7749

■ 49.3115, 36.1978,
98.9956

■ 27.6438, 12.2867,
95.5223

■ 56.7286, 45.9501,
100.4871

■ 26.9897, 11.8286,
95.4684

■ 65.3380, 57.6644,
102.2944

■ 75.1973, 71.4458,
104.4348

■ 86.3597, 87.3921,
106.9245

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.



25.6745, 22.1067, 136.1628



37.7979, 22.1067, 96.8826



46.7368, 22.1067, 46.0399

Triad

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



37.7979, 22.1067, 96.8826



27.7026, 22.1067, 0.0716



6.8213, 22.1067, 38.8209

Complementary

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



37.7979, 22.1067, 96.8826



53.7221, 80.5949, 21.1128

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.



7.0426, 22.1067, 10.5114



37.7979, 22.1067, 96.8826



16.9507, 22.1067, 0.0000

Square

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



37.7979, 22.1067, 96.8826



39.7019, 22.1067, 2.3356



10.1180, 22.1067, 1.6505



9.3598, 22.1067, 87.9934

Rectangle

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



37.7979, 22.1067, 96.8826



48.3225, 22.1067, 21.6750



10.1180, 22.1067, 1.6505



6.6078, 22.1067, 26.6361

Sweetspot

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



37.7989, 22.1074, 96.8827



72.1638, 67.1709, 103.7696



35.9877, 37.6676, 99.9816



14.8480, 13.5401, 22.0809



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.



37.7989, 22.1074, 96.8827



32.4842, 16.4185, 96.0647



62.4605, 34.8210, 98.0368



17.8737, 17.8266, 22.7488



14.2751, 6.2696, 49.8924



1.5159, 0.6754, 4.8637

Inverse Universe

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



51.5717, 30.4655, 40.6975



48.1242, 25.9078, 32.3421



41.0166, 74.0450, 20.5182



18.3859, 18.1377, 20.6492



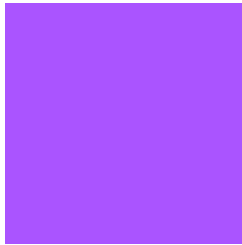
23.6172, 11.9362, 11.9005



2.3546, 1.1842, 1.4488

Previews

White Background



This preview shows how the XYZ color 37.7979, 22.1067, 96.8826 looks on a white background.

Color Contrast Check

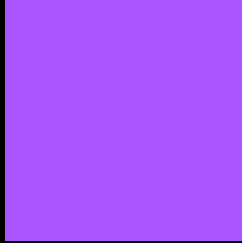
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7979, 22.1067, 96.8826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

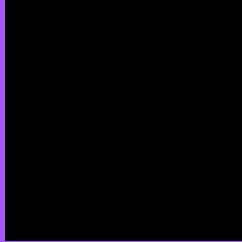
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7979, 22.1067, 96.8826

Background



This preview shows how black text looks on a background with the XYZ color 37.7979, 22.1067, 96.8826.



This preview shows how white text looks on a background with the XYZ color 37.7979, 22.1067,

96.8826.

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

37.7979, 22.1067, 96.8826

Protanopia

26.4223, 22.4227, 97.5431

Deuteranopia

22.6751, 22.2721, 78.7051



Tritanopia

23.1019, 21.9429, 24.8476

Trichromacy



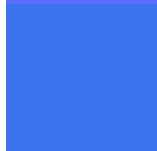
Original Color

37.7979, 22.1067, 96.8826



Protanomaly

27.8424, 20.5455, 97.1060



Deuteranomaly

23.8455, 19.5769, 84.9600



Tritanomaly

26.9220, 21.0802, 44.2449

Monochromacy



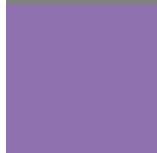
Original Color

37.7979, 22.1067, 96.8826



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

25.1446, 20.8347, 43.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7979, 22.1067, 96.8826 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(170, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 84, 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(170, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 84, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.7979, 22.1067, 96.8826 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(170, 84, 255) }
```


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

```
.border{ border-color:rgb(170, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 84,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7979, 22.1067, 96.8826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 84, 255) }
```

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

```
.background{ background-color: rgb(170, 84,  
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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