

Converting Colors

XYZ(37.3412, 22.2905, 96.2995)

Have a look what the booklet for
XYZ(37.3412, 22.2905, 96.2995)
contains.

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Color

**XYZ(37.2339, 22.1876,
96.0861)**

Conversions

Conversions Part 1

Format	Color
Hex	A757FE
RGB	167, 87, 254
RGB Percent	65%, 34%, 100%
CMY	0.3451, 0.6588, 0.0039
CMYK	0.34, 0.66, 0.00, 0.00
HSL	269°, 99%, 67%
HSV	269°, 66%, 100%
XYZ	37.2339, 22.1876, 96.0861
YIQ	129.9580, -5.9270, 68.8970

Conversions

Conversions Part 2

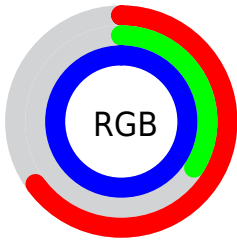
Format	Color
R_{YB}	167, 87, 254
Decimal	10967038
CIE _{Lab}	54.23, 63.15, -70.76
CIE _{LCh}	54, 94.842, 311.750
Yxy	22.1876, 0.2394, 0.1427
Android (android.graphics.Color)	4289157118 (0xFFA757FE)
YUV	129.9580, 61.1527, 32.4858
Hunter-Lab	47.1037, 58.6667, -87.9721

Details

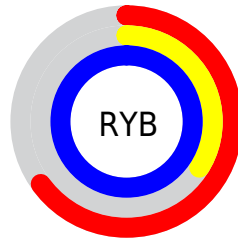
The XYZ color **37.2339, 22.1876, 96.0861** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **54.6176, 80.5706, 21.6902**, and the grayscale version is **20.9965, 22.0900, 24.0560**.

A 20% lighter version of the original color is **59.2534, 42.6006, 99.7075**, and **16.6124, 8.1022, 52.9129** is the 20% darker color. If you saturate the color by 10%, you get **32.8735, 17.4055, 95.3933**, and if you desaturate by 10%, it is **42.6054, 28.5646, 97.0343**.

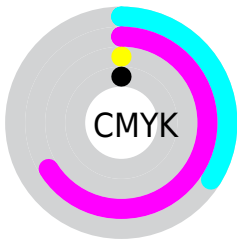
Distribution



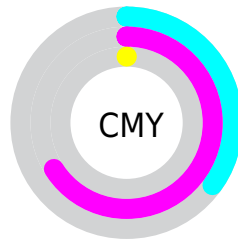
- Red (65%)
- Green (34%)
- Blue (100%)



- Red (65%)
- Yellow (34%)
- Blue (100%)



- Cyan (34%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2339, 22.1876, 96.0861 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 37.2339, 22.1876, 96.0861 by changing the saturation by 10% instead.


 37.2339, 22.1876,
96.0861


 37.2339, 22.1876,
96.0861


325.6600,
263.5244, 568.7091

 25.5631, 13.9948,
72.4374


 70.2439, 47.0559,
157.7727


 16.6281, 8.1171,
53.0270


 92.3138, 64.5001,
196.6477

 10.0633, 4.1699,
37.4365


 118.5808, 85.7970,
241.4352

 5.5036, 1.7691,
25.2472

 149.4103,
111.3309, 292.5537

 2.5834, 0.4678,
16.0406

185.1677,
141.4862, 350.4218

 0.9375, 0.0000,
9.3982

226.2181,

 0.0000, 0.0000,

176.6473, 415.4581

4.9015

272.9272,
217.1985, 488.0810

■ 0.0000, 0.0000,
2.1319

■ 0.0000, 0.0000,
0.6346

■ 37.2339, 22.1876,
96.0861

■ 37.2339, 22.1876,
96.0861

■ 32.8735, 17.4055,
95.3933

■ 42.6054, 28.5646,
97.0343

■ 29.4329, 14.0522,
94.9274

■ 49.0613, 36.6750,
98.2595

■ 26.8052, 11.9263,
94.6556

■ 56.6708, 46.6441,
99.7827

■ 25.8704, 11.2701,
94.5782

■ 65.4961, 58.5850,
101.6224

■ 75.5943, 72.6011,
103.7955

■ 87.0188, 88.7889,
106.3180

94.8895, 99.9358,
108.0547

Harmonies

Analogous

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



25.3886, 22.1876, 133.2619



37.2339, 22.1876, 96.0861



46.0720, 22.1876, 46.6546

Triad

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



37.2339, 22.1876, 96.0861



27.9254, 22.1876, 0.2391



7.0259, 22.1876, 37.6621

Complementary

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



37.2339, 22.1876, 96.0861



54.6176, 80.5706, 21.6902

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.



7.3091, 22.1876, 10.3846



37.2339, 22.1876, 96.0861



17.3039, 22.1876, 0.0446

Square

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



37.2339, 22.1876, 96.0861



39.6040, 22.1876, 2.6452



10.4514, 22.1876, 1.7343



9.4874, 22.1876, 85.1079

Rectangle

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



37.2339, 22.1876, 96.0861



47.7552, 22.1876, 22.4657



10.4514, 22.1876, 1.7343



6.8325, 22.1876, 25.9343

Sweetspot

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



37.2350, 22.1884, 96.0866



71.7750, 66.9704, 103.7514



37.3587, 40.2594, 99.5682



14.7550, 13.4922, 22.0765



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.



37.2350, 22.1884, 96.0866



31.9363, 16.3060, 96.0719



60.1632, 34.0083, 97.1597



17.8310, 17.8046, 22.7468



13.8073, 6.0284, 49.8705



1.4696, 0.6515, 4.8616

Inverse Universe

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



51.9214, 30.9435, 43.2798



48.7525, 26.3423, 35.0861



41.6330, 73.8768, 21.0826



18.4046, 18.1452, 20.7478



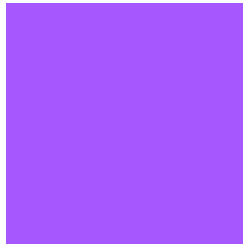
23.8312, 12.0218, 13.0274



2.3756, 1.1926, 1.5593

Previews

White Background



This preview shows how the XYZ color 37.2339, 22.1876, 96.0861 looks on a white background.

Color Contrast Check

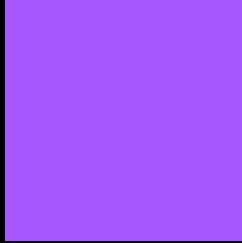
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2339, 22.1876, 96.0861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

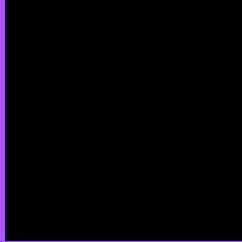
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2339, 22.1876, 96.0861

Background



This preview shows how black text looks on a background with the XYZ color 37.2339, 22.1876, 96.0861.

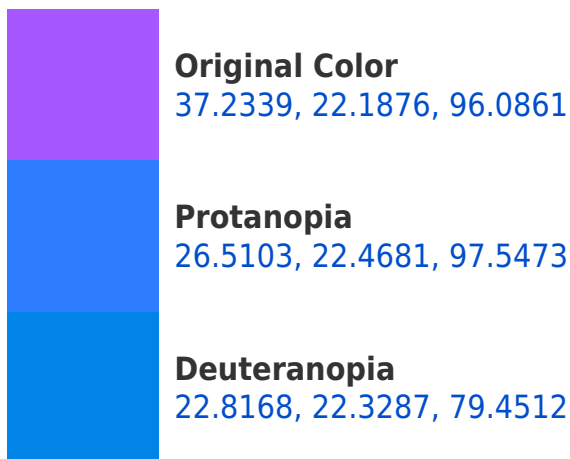


This preview shows how white text looks on a background with the XYZ color 37.2339, 22.1876,

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

22.8384, 21.9762, 25.5924

Trichromacy



Original Color

37.2339, 22.1876, 96.0861



Protanomaly

27.9509, 20.7625, 97.1421



Deuteranomaly

23.8980, 19.7742, 84.9953



Tritanomaly

26.6692, 21.2586, 44.8172

Monochromacy



Original Color

37.2339, 22.1876, 96.0861



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

25.0829, 20.9694, 43.2829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2339, 22.1876, 96.0861 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(167, 87, 254)` looks like.

```
.text, #text, p{  
    color:rgb(167, 87, 254)  
}
```

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(167, 87, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 87, 254) }
```

Border

The CSS property to change the border of an element to XYZ 37.2339, 22.1876, 96.0861 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(167, 87, 254) }
```


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

```
.border{ border-color:rgb(167, 87, 254) }
```

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

Here you see how a box with a 4 pixel rgb(167, 87, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 87, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 87, 254);  
box-shadow:4px 4px 4px 4px rgb(167, 87,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2339, 22.1876, 96.0861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 87, 254) }
```

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

```
.background{ background-color: rgb(167, 87,  
254) }
```

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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