

Converting Colors

XYZ(37.3914, 21.0790, 96.7057)

Have a look what the booklet for
XYZ(37.3914, 21.0790, 96.7057)
contains.

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Color

**XYZ(37.4985, 21.1857,
96.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4DFF
RGB	171, 77, 255
RGB Percent	67%, 30%, 100%
CMY	0.3294, 0.6980, 0.0000
CMYK	0.33, 0.70, 0.00, 0.00
HSL	272°, 100%, 65%
HSV	272°, 70%, 100%
XYZ	37.4985, 21.1857, 96.7206
YIQ	125.3980, -1.1140, 75.2860

Conversions

Conversions Part 2

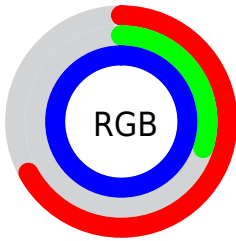
Format	Color
RYB	171, 77, 255
Decimal	11226623
CIELab	53.15, 68.65, -73.03
CIElCh	53, 100.227, 313.228
Yxy	21.1857, 0.2413, 0.1363
Android (android.graphics.Color)	4289416703 (0xFFAB4DFF)
YUV	125.3980, 63.8938, 39.9930
Hunter-Lab	46.0279, 64.8733, -92.3693

Details

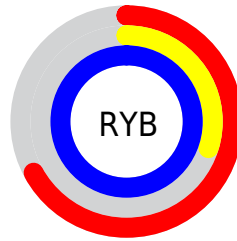
The XYZ color **37.4985, 21.1857, 96.7206** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **51.7972, 79.6327, 19.6622**, and the grayscale version is **19.4196, 20.4309, 22.2493**.

A 20% lighter version of the original color is **59.3925, 40.9840, 99.3881**, and **16.7204, 7.5844, 53.4060** is the 20% darker color. If you saturate the color by 10%, you get **33.5481, 16.9997, 96.1208**, and if you desaturate by 10%, it is **42.3881, 26.8936, 97.5646**.

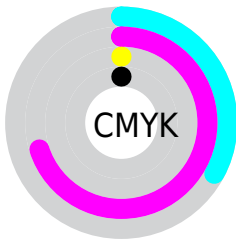
Distribution



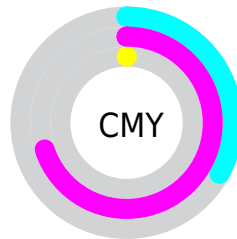
- Red (67%)
- Green (30%)
- Blue (100%)



- Red (67%)
- Yellow (30%)
- Blue (100%)



- Cyan (33%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4985, 21.1857, 96.7206 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 37.4985, 21.1857, 96.7206 by changing the saturation by 10% instead.

 37.4985, 21.1857,
96.7206


 37.4985, 21.1857,
96.7206


326.7819,
258.2637, 570.7832


 25.7691, 13.2598,
72.9631

 70.6477, 45.3964,
158.6555

 16.7828, 7.6077,
53.4541


 92.7982, 62.4500,
197.6700


 10.1741, 3.8450,
37.7752


 119.1532, 83.3149,
242.6072

 5.5777, 1.5872,
25.5078

 150.0779,
108.3756, 293.8857

 2.6282, 0.3490,
16.2333

 185.9378,
138.0164, 351.9240

 0.9604, 0.0000,
9.5333

227.0982,

 0.0000, 0.0000,

172.6218, 417.1406

4.9891

273.9245,
212.5761, 489.9542

■ 0.0000, 0.0000,
2.1822

■ 0.0000, 0.0000,
0.6641

■ 37.4985, 21.1857,
96.7206

■ 37.4985, 21.1857,
96.7206

■ 33.5481, 16.9997,
96.1208

■ 42.3881, 26.8936,
97.5646

■ 30.4408, 14.1561,
95.7357

■ 48.2933, 34.2704,
98.6772

■ 28.0317, 12.3738,
95.5187

■ 55.2847, 43.4475,
100.0801

■ 27.9882, 12.3433,
95.5151

■ 63.4252, 54.5423,
101.7926

■ 72.7724, 67.6620,
103.8323

■ 83.3798, 82.9057,
106.2155

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.



25.1511, 21.1857, 138.6830



37.4985, 21.1857, 96.7206



46.5185, 21.1857, 44.2568

Triad

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



37.4985, 21.1857, 96.7206



26.5853, 21.1857, 0.0000



6.1289, 21.1857, 39.1036

Complementary

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



37.4985, 21.1857, 96.7206



51.7972, 79.6327, 19.6622

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.



6.2772, 21.1857, 10.0232



37.4985, 21.1857, 96.7206



15.8369, 21.1857, 0.0000

Square

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



37.4985, 21.1857, 96.7206



38.8596, 21.1857, 1.7615



9.1822, 21.1857, 1.3420



8.6658, 21.1857, 90.2535

Rectangle

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



37.4985, 21.1857, 96.7206



47.9875, 21.1857, 19.9449



9.1822, 21.1857, 1.3420



5.9025, 21.1857, 26.5004

Sweetspot

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



37.4995, 21.1864, 96.7207



71.5883, 65.9818, 103.5704



34.2140, 35.0045, 99.5610



14.7528, 13.3177, 22.0430



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.



37.4995, 21.1864, 96.7207



32.1473, 15.6543, 95.9350



61.4700, 33.5984, 95.3685



17.9188, 17.8499, 22.7509



14.7984, 6.5393, 49.9168



1.5671, 0.7018, 4.8661

Inverse Universe

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



50.3269, 29.1412, 36.6896



46.8995, 24.7815, 27.8552



40.2675, 73.6766, 19.6820



18.3662, 18.1298, 20.5456



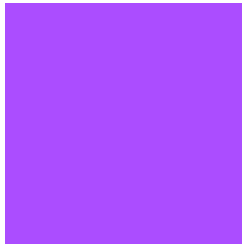
23.4049, 11.8513, 10.7826



2.3335, 1.1758, 1.3378

Previews

White Background



This preview shows how the XYZ color 37.4985, 21.1857, 96.7206 looks on a white background.

Color Contrast Check

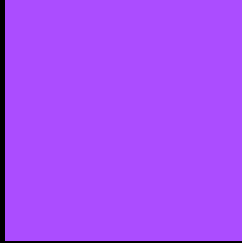
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4985, 21.1857, 96.7206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

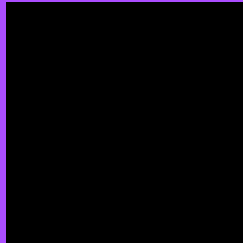
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4985, 21.1857, 96.7206

Background



This preview shows how black text looks on a background with the XYZ color 37.4985, 21.1857, 96.7206.



This preview shows how white text looks on a background with the XYZ color 37.4985, 21.1857,

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

37.4985, 21.1857, 96.7206

Protanopia

25.6684, 21.6619, 97.4360

Deuteranopia

21.7101, 21.4563, 74.9487



Tritanopia

22.5257, 20.9552, 23.2796

Trichromacy



Original Color

37.4985, 21.1857, 96.7206



Protanomaly

26.5974, 19.2774, 96.9268



Deuteranomaly

22.9571, 18.5074, 82.4831



Tritanomaly

26.3006, 20.0245, 42.5233

Monochromacy



Original Color

37.4985, 21.1857, 96.7206



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

23.9643, 19.4545, 41.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4985, 21.1857, 96.7206 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(171, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 77, 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(171, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4985, 21.1857, 96.7206 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(171, 77, 255) }
```


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

```
.border{ border-color:rgb(171, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4985, 21.1857, 96.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 77, 255) }
```

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

```
.background{ background-color: rgb(171, 77,  
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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