

Converting Colors

XYZ(37.7997, 21.1364, 96.6952)

Have a look what the booklet for
XYZ(37.7997, 21.1364, 96.6952)
contains.

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Color

**XYZ(37.7997, 21.1364,
96.6952)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4BFF
RGB	173, 75, 255
RGB Percent	68%, 29%, 100%
CMY	0.3216, 0.7059, 0.0000
CMYK	0.32, 0.71, 0.00, 0.00
HSL	273°, 100%, 65%
HSV	273°, 71%, 100%
XYZ	37.7997, 21.1364, 96.6952
YIQ	124.8220, 0.6280, 76.7560

Conversions

Conversions Part 2

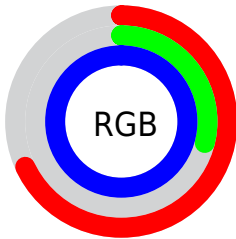
Format	Color
RYB	173, 75, 255
Decimal	11357183
CIELab	53.10, 69.86, -73.11
CIElCh	53, 101.115, 313.698
Yxy	21.1364, 0.2429, 0.1358
Android (android.graphics.Color)	4289547263 (0xFFAD4BFF)
YUV	124.8220, 64.1778, 42.2521
Hunter-Lab	45.9743, 66.3060, -92.5192

Details

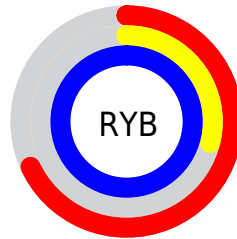
The XYZ color **37.7997, 21.1364, 96.6952** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **50.9343, 79.1959, 19.2588**, and the grayscale version is **19.2254, 20.2266, 22.0268**.

A 20% lighter version of the original color is **59.7706, 40.7762, 99.3281**, and **16.8881, 7.5419, 53.3890** is the 20% darker color. If you saturate the color by 10%, you get **33.9456, 17.0763, 96.1147**, and if you desaturate by 10%, it is **42.5715, 26.6980, 97.5172**.

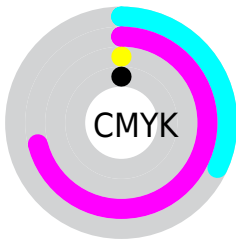
Distribution



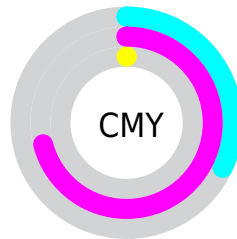
- Red (68%)
- Green (29%)
- Blue (100%)



- Red (68%)
- Yellow (29%)
- Blue (100%)



- Cyan (32%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7997, 21.1364, 96.6952 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 37.7997, 21.1364, 96.6952 by changing the saturation by 10% instead.

 37.7997, 21.1364,
96.6952


 37.7997, 21.1364,
96.6952

328.0557,
258.0025, 570.7002

 26.0038, 13.2237,
72.9420


 71.1069, 45.3144,
158.6202


 16.9592, 7.5828,
53.4370


 93.3489, 62.3486,
197.6291


 10.3005, 3.8292,
37.7617

 119.8036, 83.1920,
242.5603

 5.6624, 1.5785,
25.4974

 150.8364,
108.2292, 293.8324

 2.6796, 0.3430,
16.2256

 186.8127,
137.8444, 351.8639

 0.9867, 0.0000,
9.5279

228.0978,

 0.0000, 0.0000,

172.4221, 417.0733

4.9856

275.0570,
212.3467, 489.8793

■ 0.0000, 0.0000,
2.1802

■ 0.0000, 0.0000,
0.6629

■ 37.7997, 21.1364,
96.6952

■ 37.7997, 21.1364,
96.6952

■ 33.9456, 17.0763,
96.1147

■ 42.5715, 26.6980,
97.5172

■ 30.9123, 14.3357,
95.7456

■ 48.3376, 33.9097,
98.6053

■ 28.6704, 12.6950,
95.5470

■ 55.1686, 42.9037,
99.9813

■ 63.1272, 53.7980,
101.6646

■ 72.2710, 66.7001,
103.6731

■ 82.6531, 81.7095,
106.0230

■ 94.3233, 98.9187,
108.7296

■ 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.



25.3347, 21.1364, 139.7959



37.7997, 21.1364, 96.6952



46.8220, 21.1364, 43.6926

Triad

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



37.7997, 21.1364, 96.6952



26.3976, 21.1364, 0.0000



6.0465, 21.1364, 39.8661

Complementary

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



37.7997, 21.1364, 96.6952



50.9343, 79.1959, 19.2588

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.



6.1552, 21.1364, 10.1728



37.7997, 21.1364, 96.6952



15.6234, 21.1364, 0.0000

Square

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



37.7997, 21.1364, 96.6952



38.8107, 21.1364, 1.6288



9.0101, 21.1364, 1.3274



8.6303, 21.1364, 91.8745

Rectangle

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



37.7997, 21.1364, 96.6952



48.2066, 21.1364, 19.4376



9.0101, 21.1364, 1.3274



5.8075, 21.1364, 27.0040

Sweetspot

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



37.8007, 21.1371, 96.6953



71.8696, 66.1268, 103.5836



33.3501, 33.5126, 99.3186



14.8196, 13.3522, 22.0461



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.



37.8007, 21.1371, 96.6953



32.5122, 15.7164, 95.9277



60.8551, 33.1320, 92.8103



17.9482, 17.8650, 22.7523



15.1553, 6.7233, 49.9335



1.6016, 0.7196, 4.8678

Inverse Universe

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



49.8418, 28.7267, 34.8153



46.4556, 24.4681, 25.9367



40.1471, 73.6100, 19.8771



18.3535, 18.1247, 20.4785



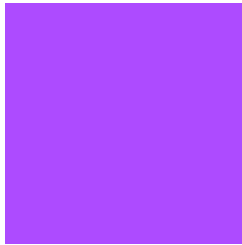
23.2741, 11.7989, 10.0937



2.3204, 1.1705, 1.2687

Previews

White Background



This preview shows how the XYZ color 37.7997, 21.1364, 96.6952 looks on a white background.

Color Contrast Check

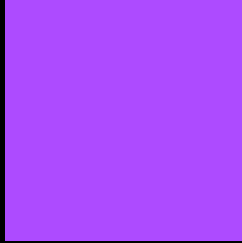
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7997, 21.1364, 96.6952 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 37.7997, 21.1364, 96.6952

Background



This preview shows how black text looks on a background with the XYZ color 37.7997, 21.1364, 96.6952.



This preview shows how white text looks on a background with the XYZ color 37.7997, 21.1364,

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

37.7997, 21.1364, 96.6952

Protanopia

25.5162, 21.4003, 97.3936

Deuteranopia

21.5777, 21.1915, 74.9046



Tritanopia

22.7036, 20.8787, 22.9121

Trichromacy



Original Color

37.7997, 21.1364, 96.6952



Protanomaly

26.4949, 19.0725, 96.8927



Deuteranomaly

22.8046, 18.1085, 82.4141



Tritanomaly

26.4919, 19.8278, 42.4753

Monochromacy



Original Color

37.7997, 21.1364, 96.6952



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

23.8594, 19.2447, 41.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7997, 21.1364, 96.6952 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(173, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 75, 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(173, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 75, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.7997, 21.1364, 96.6952 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(173, 75, 255) }
```


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

```
.border{ border-color:rgb(173, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 75,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7997, 21.1364, 96.6952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 75, 255) }
```

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

```
.background{ background-color: rgb(173, 75,  
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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