

Converting Colors

XYZ(37.3087, 21.1012, 96.7143)

Have a look what the booklet for
XYZ(37.3087, 21.1012, 96.7143)
contains.

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Color

**XYZ(37.2814, 21.0738,
96.7104)**

Conversions

Conversions Part 1

Format	Color
Hex	AA4DFF
RGB	170, 77, 255
RGB Percent	67%, 30%, 100%
CMY	0.3333, 0.6980, 0.0000
CMYK	0.33, 0.70, 0.00, 0.00
HSL	271°, 100%, 65%
HSV	271°, 70%, 100%
XYZ	37.2814, 21.0738, 96.7104
YIQ	125.0990, -1.7100, 75.0740

Conversions

Conversions Part 2

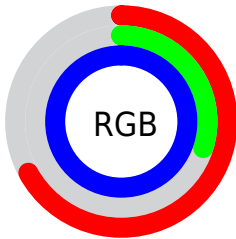
Format	Color
RYB	170, 77, 255
Decimal	11161087
CIELab	53.03, 68.46, -73.23
CIElCh	53, 100.250, 313.071
Yxy	21.0738, 0.2404, 0.1359
Android (android.graphics.Color)	4289351167 (0xFFAA4DFF)
YUV	125.0990, 64.0412, 39.3782
Hunter-Lab	45.9062, 64.6277, -92.7716

Details

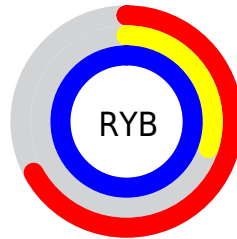
The XYZ color **37.2814, 21.0738, 96.7104** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **51.9996, 79.7371, 19.6717**, and the grayscale version is **19.3190, 20.3251, 22.1340**.

A 20% lighter version of the original color is **58.9344, 40.5455, 99.3276**, and **16.5953, 7.5199, 53.4001** is the 20% darker color. If you saturate the color by 10%, you get **33.3224, 16.8833, 96.1103**, and if you desaturate by 10%, it is **42.1849, 26.7888, 97.5551**.

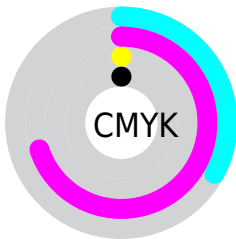
Distribution



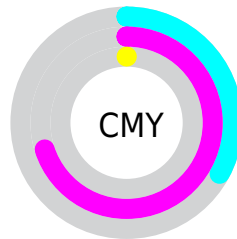
- Red (67%)
- Green (30%)
- Blue (100%)



- 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 37.2814, 21.0738, 96.7104 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 37.2814, 21.0738, 96.7104 by changing the saturation by 10% instead.


 37.2814, 21.0738,
96.7104

 37.2814, 21.0738,
96.7104


325.8616,
257.6704, 570.7499


 25.6001, 13.1780,
72.9546


 70.3164, 45.2103,
158.6413


 16.6558, 7.5512,
53.4473


 92.4008, 62.2198,
197.6536


 10.0832, 3.8091,
37.7698


 118.6837, 83.0359,
242.5884

 5.5168, 1.5674,
25.5036

 149.5303,
108.0431, 293.8643

 2.5914, 0.3355,
16.2302

 185.3060,
137.6258, 351.8999

 0.9416, 0.0000,
9.5311

226.3763,

 0.0000, 0.0000,

172.1683, 417.1136

4.9877

273.1064,
212.0551, 489.9241

■ 0.0000, 0.0000,
2.1814

■ 0.0000, 0.0000,
0.6636

■ 37.2814, 21.0738,
96.7104

■ 37.2814, 21.0738,
96.7104

■ 33.3224, 16.8833,
96.1103

■ 42.1849, 26.7888,
97.5551

■ 30.2114, 14.0379,
95.7250

■ 48.1093, 34.1755,
98.6686

■ 27.8033, 12.2561,
95.5080

■ 55.1255, 43.3655,
100.0727

■ 27.7599, 12.2256,
95.5044

■ 63.2967, 54.4762,
101.7866

■ 72.6808, 67.6149,
103.8280

■ 83.3313, 82.8807,
106.2133

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.



24.9667, 21.0738, 138.4419



37.2814, 21.0738, 96.7104



46.3124, 21.0738, 44.3085

Triad

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



37.2814, 21.0738, 96.7104



26.5224, 21.0738, 0.0000



6.0731, 21.0738, 38.7164

Complementary

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



37.2814, 21.0738, 96.7104



51.9996, 79.7371, 19.6717

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.



6.2337, 21.0738, 9.8648



37.2814, 21.0738, 96.7104



15.7911, 21.0738, 0.0000

Square

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



37.2814, 21.0738, 96.7104



38.7584, 21.0738, 1.7586



9.1411, 21.0738, 1.3062



8.5818, 21.0738, 89.6874

Rectangle

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



37.2814, 21.0738, 96.7104



47.8114, 21.0738, 19.9771



9.1411, 21.0738, 1.3062



5.8522, 21.0738, 26.1949

Sweetspot

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



37.2824, 21.0745, 96.7105



71.4919, 65.9321, 103.5659



34.2140, 35.0045, 99.5610



14.7299, 13.3059, 22.0419



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.



37.2824, 21.0745, 96.7105



31.9195, 15.5368, 95.9243



61.4700, 33.5984, 95.3685



17.9087, 17.8447, 22.7504



14.6788, 6.4777, 49.9112



1.5554, 0.6958, 4.8656

Inverse Universe

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



50.4155, 29.1766, 37.1562



46.9903, 24.8178, 28.3334



40.2675, 73.6766, 19.6820



18.3706, 18.1316, 20.5687



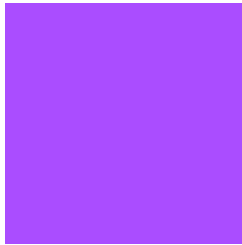
23.4511, 11.8698, 11.0262



2.3382, 1.1776, 1.3621

Previews

White Background



This preview shows how the XYZ color 37.2814, 21.0738, 96.7104 looks on a white background.

Color Contrast Check

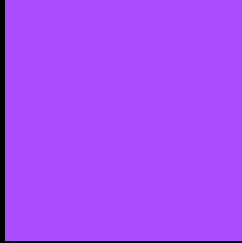
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2814, 21.0738, 96.7104 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 37.2814, 21.0738, 96.7104

Background



This preview shows how black text looks on a background with the XYZ color 37.2814, 21.0738, 96.7104.



This preview shows how white text looks on a background with the XYZ color 37.2814, 21.0738,

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

37.2814, 21.0738, 96.7104

Protanopia

25.4615, 21.3721, 97.3910

Deuteranopia

21.5777, 21.1915, 74.9046



Tritanopia

22.3472, 20.8632, 23.2712

Trichromacy



Original Color

37.2814, 21.0738, 96.7104



Protanomaly

26.4285, 19.1903, 96.9189



Deuteranomaly

22.8486, 18.2904, 82.4469



Tritanomaly

26.1079, 19.9252, 42.5143

Monochromacy



Original Color

37.2814, 21.0738, 96.7104



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

23.7935, 19.3664, 41.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2814, 21.0738, 96.7104 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, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.2814, 21.0738, 96.7104 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, 77, 255) }
```


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

```
.border{ border-color:rgb(170, 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(170, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2814, 21.0738, 96.7104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 77, 255) }
```

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

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