

Converting Colors

XYZ(41.9537, 74.1551, 37.4156)

Have a look what the booklet for
XYZ(41.9537, 74.1551, 37.4156)
contains.

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Color

**XYZ(41.9330, 74.1469,
37.3010)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF8D
RGB	51, 255, 141
RGB Percent	20%, 100%, 55%
CMY	0.8000, 0.0000, 0.4470
CMYK	0.80, 0.00, 0.45, 0.00
HSL	146°, 100%, 60%
HSV	146°, 80%, 100%
XYZ	41.9330, 74.1469, 37.3010
YIQ	181.0080, -84.9900, -78.7020

Conversions

Conversions Part 2

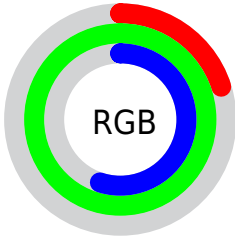
Format	Color
RYB	51, 193, 255
Decimal	3407757
CIELab	88.99, -71.92, 41.08
CIELCh	89, 82.821, 150.265
Yxy	74.1469, 0.2734, 0.4834
Android (android.graphics.Color)	4281597837 (0xFF33FF8D)
YUV	181.0080, -19.7239, -114.0170
Hunter-Lab	86.1086, -63.7644, 34.5924

Details

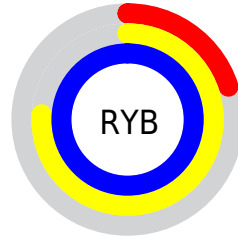
The XYZ color **41.9330, 74.1469, 37.3010** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **49.2159, 26.3449, 38.0897**, and the grayscale version is **44.0622, 46.3569, 50.4826**.

A 20% lighter version of the original color is **54.9297, 80.2513, 64.8195**, and **21.7694, 40.6538, 16.1508** is the 20% darker color. If you saturate the color by 10%, you get **39.9882, 73.2590, 32.0272**, and if you desaturate by 10%, it is **44.7185, 75.4524, 43.3288**.

Distribution



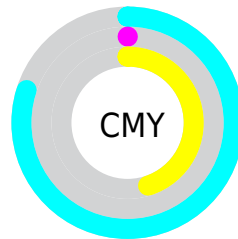
- Red (20%)
- Green (100%)
- Blue (55%)



- Red (20%)
- Yellow (76%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9330, 74.1469, 37.3010 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 41.9330, 74.1469, 37.3010 by changing the saturation by 10% instead.


 41.9330, 74.1469,
37.3010


 41.9330, 74.1469,
37.3010

345.2015,
474.9802, 349.8197


 29.2397, 54.9143,
25.1430


 77.3640, 125.1040,
72.2270


 19.4074, 39.3331,
15.9636


 100.8325,
157.5973, 95.8320

 12.0708, 27.0190,
9.3444


 128.6233,
195.2796, 124.0899

 6.8645, 17.5875,
4.8666

 161.1020,
238.5354, 157.4191

 3.4230, 10.6542,
2.1118

198.6337,
287.7489, 196.2381

 1.3812, 5.8348,
0.6228

241.5840,

 0.2428, 2.7449,

343.3046, 240.9655

0.0000

290.3181,
405.5869, 292.0199

■ 0.0000, 1.0001,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9330, 74.1469,
37.3010

■ 41.9330, 74.1469,
37.3010

■ 39.9882, 73.2590,
32.0272

■ 44.7185, 75.4524,
43.3288

■ 38.7128, 72.7011,
27.4689

■ 48.4489, 77.2286,
50.1374

■ 38.7125, 72.7010,
27.4679

■ 53.2138, 79.5213,
57.7564

■ 59.0914, 82.3702,
66.2126

■ 66.1520, 85.8112,
75.5316

■ 74.4601, 89.8768,
85.7376

■ 84.0751, 94.5975,
96.8539

■ 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.



52.7168, 74.1469, 17.8637



41.9330, 74.1469, 37.3010



38.4315, 74.1469, 81.2475

Triad

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



41.9330, 74.1469, 37.3010



70.6537, 74.1469, 249.9730



109.4535, 74.1469, 36.7724

Complementary

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



41.9330, 74.1469, 37.3010



49.2159, 26.3449, 38.0897

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.



116.6790, 74.1469, 80.2214



41.9330, 74.1469, 37.3010



91.8295, 74.1469, 219.2433

Square

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



41.9330, 74.1469, 37.3010



52.9729, 74.1469, 220.2435



109.6939, 74.1469, 149.1096



91.4598, 74.1469, 17.6767

Rectangle

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



41.9330, 74.1469, 37.3010



40.0522, 74.1469, 125.5185



109.6939, 74.1469, 149.1096



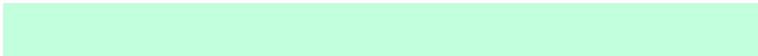
113.3596, 74.1469, 48.1129

Sweetspot

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



41.9335, 74.1471, 37.3022



70.9813, 88.1727, 81.5449



52.2102, 79.9313, 15.8092



14.5671, 18.5664, 16.6810



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.



41.9335, 74.1471, 37.3022



39.1696, 72.8986, 29.2083



53.0626, 78.5988, 95.9074



18.1045, 20.3013, 20.8532



20.3003, 38.0167, 14.7327



2.0304, 3.7231, 1.7181

Inverse Universe

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



49.2159, 26.3449, 38.0897



46.6172, 23.5880, 29.6998



43.3668, 24.0053, 7.2891



18.4344, 18.1571, 20.9048



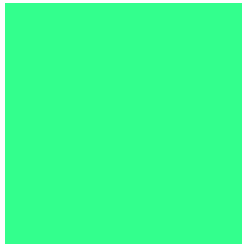
24.1961, 12.1677, 14.9488



2.4109, 1.2067, 1.7451

Previews

White Background



This preview shows how the XYZ color 41.9330, 74.1469, 37.3010 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 41.9330, 74.1469, 37.3010 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 ✓ Pass

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

XYZ 41.9330, 74.1469, 37.3010

Background



This preview shows how black text looks on a background with the XYZ color 41.9330, 74.1469, 37.3010.

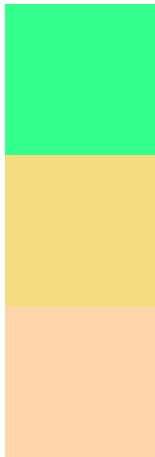


This preview shows how white text looks on a background with the XYZ color 41.9330, 74.1469,

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

41.9330, 74.1469, 37.3010

Protanopia

66.7149, 72.3261, 30.8662

Deuteranopia

72.6373, 72.2934, 48.6537



Tritanopia

58.2974, 73.3556, 105.6942

Trichromacy



Original Color

41.9330, 74.1469, 37.3010



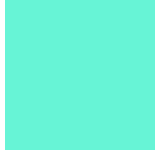
Protanomaly

50.6061, 68.8555, 32.8135



Deuteranomaly

53.4205, 68.4004, 43.6448



Tritanomaly

50.0818, 72.4400, 74.9611

Monochromacy



Original Color

41.9330, 74.1469, 37.3010



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.2703, 52.9333, 44.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9330, 74.1469, 37.3010 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(51, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 141)  
}
```

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(51, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 41.9330, 74.1469, 37.3010 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(51, 255, 141) }
```


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

```
.border{ border-color:rgb(51, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 255, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 255, 141); box-shadow:4px 4px 4px 4px rgb(51, 255, 141) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9330, 74.1469, 37.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 141) }
```

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

```
.background{ background-color: rgb(51, 255,  
141) }
```

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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