

Converting Colors

XYZ(42.3300, 74.3057, 39.3915)

Have a look what the booklet for
XYZ(42.3300, 74.3057, 39.3915)
contains.

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Color

**XYZ(42.3135, 74.2991,
39.3051)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF92
RGB	51, 255, 146
RGB Percent	20%, 100%, 57%
CMY	0.8000, 0.0000, 0.4274
CMYK	0.80, 0.00, 0.43, 0.00
HSL	148°, 100%, 60%
HSV	148°, 80%, 100%
XYZ	42.3135, 74.2991, 39.3051
YIQ	181.5780, -86.5950, -77.1470

Conversions

Conversions Part 2

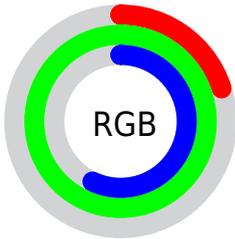
Format	Color
RYB	51, 190, 255
Decimal	3407762
CIELab	89.06, -71.08, 38.74
CIELCh	89, 80.949, 151.409
Yxy	74.2991, 0.2714, 0.4765
Android (android.graphics.Color)	4281597842 (0xFF33FF92)
YUV	181.5780, -17.5400, -114.5169
Hunter-Lab	86.1969, -63.2202, 33.3021

Details

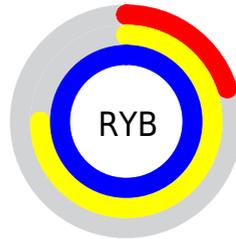
The XYZ color **42.3135, 74.2991, 39.3051** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **48.7693, 26.1662, 35.7386**, and the grayscale version is **44.3604, 46.6706, 50.8243**.

A 20% lighter version of the original color is **55.5085, 80.4829, 67.8675**, and **21.9866, 40.7407, 17.2946** is the 20% darker color. If you saturate the color by 10%, you get **40.3642, 73.4095, 34.0077**, and if you desaturate by 10%, it is **45.0934, 75.6023, 45.3033**.

Distribution



- Red (20%)
- Green (100%)
- Blue (57%)



- Red (20%)
- Yellow (75%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3135, 74.2991, 39.3051 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 42.3135, 74.2991, 39.3051 by changing the saturation by 10% instead.

 42.3135, 74.2991,
39.3051

 42.3135, 74.2991,
39.3051

346.7504,
475.5050, 358.6505

 29.5390, 55.0389,
26.6875

 77.9361, 125.3197,
75.3296

 19.6353, 39.4328,
17.1083

 101.5149,
157.8489, 99.5737

 12.2369, 27.0966,
10.1490

 129.4258,
195.5698, 128.5303

 6.9786, 17.6458,
5.3909

 162.0343,
238.8670, 162.6180

 3.4949, 10.6960,
2.4157

199.7056,
288.1246, 202.2553

 1.4206, 5.8628,
0.7950

242.8052,

 0.2708, 2.7618,

343.7273, 247.8608

0.0000

291.6984,
406.0593, 299.8530

■ 0.0000, 1.0087,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3135, 74.2991,
39.3051

■ 42.3135, 74.2991,
39.3051

■ 40.3642, 73.4095,
34.0077

■ 45.0934, 75.6023,
45.3033

■ 39.0750, 72.8460,
29.3763

■ 48.8073, 77.3720,
52.0254

■ 39.0748, 72.8459,
29.3756

■ 53.5443, 79.6535,
59.4977

■ 59.3819, 82.4864,
67.7438

 66.3900, 85.9063,
76.7863

 74.6323, 89.9457,
86.6465

 84.1680, 94.6346,
97.3452

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.



52.6652, 74.2991, 19.1506



42.3135, 74.2991, 39.3051



39.1232, 74.2991, 83.5944

Triad

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



42.3135, 74.2991, 39.3051



71.5540, 74.2991, 244.9709



108.1211, 74.2991, 36.5199

Complementary

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



42.3135, 74.2991, 39.3051



48.7693, 26.1662, 35.7386

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.



115.6451, 74.2991, 78.2623



42.3135, 74.2991, 39.3051



92.2497, 74.2991, 213.2541

Square

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



42.3135, 74.2991, 39.3051



54.0023, 74.2991, 218.3820



109.3624, 74.2991, 144.6924



90.3364, 74.2991, 18.1485

Rectangle

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



42.3135, 74.2991, 39.3051



40.9044, 74.2991, 127.2954



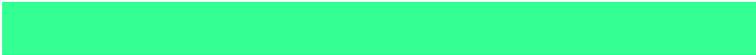
109.3624, 74.2991, 144.6924



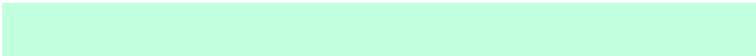
112.0683, 74.2991, 47.4176

Sweetspot

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



42.3140, 74.2993, 39.3063



71.1819, 88.2529, 82.6012



51.5033, 79.5669, 15.7759



14.6150, 18.5856, 16.9331



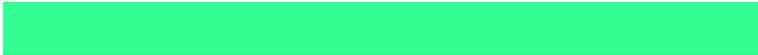
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3140, 74.2993, 39.3063



39.5385, 73.0461, 31.1508



53.5764, 78.8043, 98.6134



18.1236, 20.3090, 20.9537



20.4912, 38.0931, 15.7378



2.0497, 3.7308, 1.8196

Inverse Universe

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



48.7693, 26.1662, 35.7386



46.1584, 23.4045, 27.2838



43.2718, 23.9672, 6.7892



18.4151, 18.1494, 20.8031



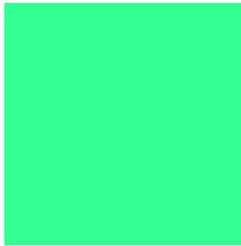
23.9564, 12.0718, 13.6865



2.3878, 1.1975, 1.6234

Previews

White Background



This preview shows how the XYZ color 42.3135, 74.2991, 39.3051 looks on a white background.

Color Contrast Check

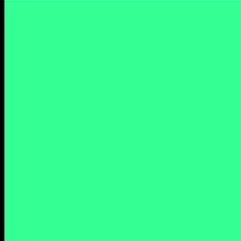
Large Text (above 18pt) WCAG AA × Fail

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 42.3135, 74.2991, 39.3051 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 42.3135, 74.2991, 39.3051

Background



This preview shows how black text looks on a background with the XYZ color 42.3135, 74.2991, 39.3051.

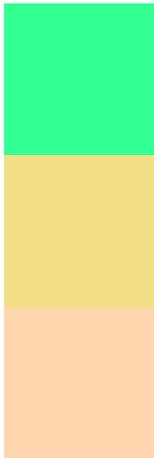


This preview shows how white text looks on a background with the XYZ color 42.3135, 74.2991, 39.3051.

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

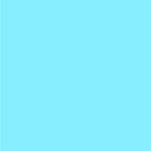
42.3135, 74.2991, 39.3051

Protanopia

66.9729, 72.8133, 32.7148

Deuteranopia

72.8294, 72.3703, 49.6655



Tritanopia

58.4561, 73.4374, 105.7016

Trichromacy



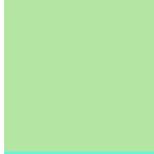
Original Color

42.3135, 74.2991, 39.3051



Protanomaly

51.2438, 69.5649, 34.7713



Deuteranomaly

53.6862, 68.5067, 45.0439



Tritanomaly

50.3253, 72.5507, 75.6412

Monochromacy



Original Color

42.3135, 74.2991, 39.3051



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.7934, 53.5338, 45.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3135, 74.2991, 39.3051 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 42.3135, 74.2991, 39.3051 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, 146) }
```

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

```
.border{ border-color:rgb(51, 255, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 255, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 255, 146); box-shadow:4px 4px 4px 4px rgb(51, 255, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3135, 74.2991, 39.3051 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, 146) }
```

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

```
.background{ background-color: rgb(51, 255,  
146) }
```

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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