

Converting Colors

XYZ(42.3227, 74.2181, 43.1795)

Have a look what the booklet for
XYZ(42.3227, 74.2181, 43.1795)
contains.

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Color

**XYZ(42.3036, 74.2099,
43.1047)**

Conversions

Conversions Part 1

Format	Color
Hex	21FF9B
RGB	33, 255, 155
RGB Percent	13%, 100%, 61%
CMY	0.8706, 0.0000, 0.3921
CMYK	0.87, 0.00, 0.39, 0.00
HSL	153°, 100%, 56%
HSV	153°, 87%, 100%
XYZ	42.3036, 74.2099, 43.1047
YIQ	177.2220, -100.2120, -78.1640

Conversions

Conversions Part 2

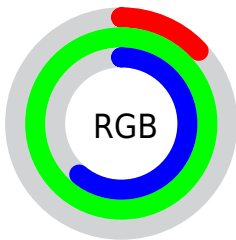
Format	Color
RYB	33, 176, 255
Decimal	2228123
CIELab	89.02, -70.93, 34.22
CIELCh	89, 78.749, 154.245
Yxy	74.2099, 0.2650, 0.4649
Android (android.graphics.Color)	4280418203 (0xFF21FF9B)
YUV	177.2220, -10.9554, -126.4827
Hunter-Lab	86.1452, -63.0974, 30.6345

Details

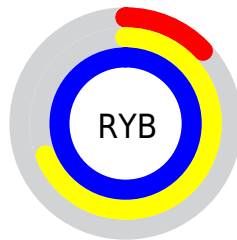
The XYZ color **42.3036, 74.2099, 43.1047** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **46.0182, 24.0419, 24.4078**, and the grayscale version is **42.0014, 44.1887, 48.1215**.

A 20% lighter version of the original color is **55.4189, 80.3107, 73.5534**, and **22.4144, 40.9118, 19.5474** is the 20% darker color. If you saturate the color by 10%, you get **40.8511, 73.5673, 38.2390**, and if you desaturate by 10%, it is **44.4626, 75.2061, 48.4851**.

Distribution



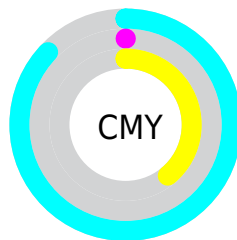
- Red (13%)
- Green (100%)
- Blue (61%)



- Red (13%)
- Yellow (69%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3036, 74.2099, 43.1047 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 42.3036, 74.2099, 43.1047 by changing the saturation by 10% instead.


 42.3036, 74.2099,
43.1047


 42.3036, 74.2099,
43.1047


346.7102,
475.1975, 374.9760


 29.5312, 54.9659,
29.6353


 77.9212, 125.1933,
81.1569


 19.6294, 39.3744,
19.3122


 101.4971,
157.7015, 106.5767

 12.2326, 27.0511,
11.7170


 129.4050,
195.3998, 136.8171

 6.9756, 17.6116,
6.4311

 162.0101,
238.6726, 172.2965

 3.4931, 10.6715,
3.0359

199.6778,
287.9044, 213.4336

 1.4195, 5.8464,
1.1130

242.7735,

 0.2701, 2.7519,

343.4796, 260.6469

0.0000

291.6625,
405.7825, 314.3548

■ 0.0000, 1.0036,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3036, 74.2099,
43.1047

■ 42.3036, 74.2099,
43.1047

■ 40.8511, 73.5673,
38.2390

■ 44.4626, 75.2061,
48.4851

■ 40.5035, 73.4174,
36.8988

■ 47.4505, 76.6186,
54.3949

■ 51.3652, 78.4979,
60.8523

■ 56.2899, 80.8863,
67.8730

■ 62.2980, 83.8217,
75.4719

■ 69.4561, 87.3379,
83.6633

■ 77.8248, 91.4661,
92.4607

■ 87.4607, 96.2351,
101.8772

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.



51.7813, 74.2099, 21.2307



42.3036, 74.2099, 43.1047



39.8249, 74.2099, 88.8596

Triad

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



42.3036, 74.2099, 43.1047



73.2944, 74.2099, 238.1254



105.5489, 74.2099, 34.8113

Complementary

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



42.3036, 74.2099, 43.1047



46.0182, 24.0419, 24.4078

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.



113.9808, 74.2099, 73.2467



42.3036, 74.2099, 43.1047



93.3429, 74.2099, 203.0330

Square

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



42.3036, 74.2099, 43.1047



55.7178, 74.2099, 217.8006



109.1541, 74.2099, 135.8126



87.7689, 74.2099, 18.1876

Rectangle

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



42.3036, 74.2099, 43.1047



42.0127, 74.2099, 132.2845



109.1541, 74.2099, 135.8126



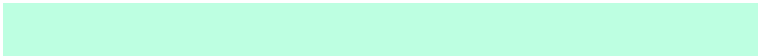
109.7035, 74.2099, 44.7820

Sweetspot

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



42.3041, 74.2101, 43.1060



70.2809, 87.7441, 84.5627



46.2865, 76.9149, 13.8460



14.4742, 18.5009, 17.4733



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.



42.3041, 74.2101, 43.1060



40.5035, 73.4174, 36.8988



52.1221, 74.4328, 106.2276



18.1893, 20.3352, 21.2998



21.2403, 38.3927, 19.6827



2.1232, 3.7602, 2.2066

Inverse Universe

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



46.0182, 24.0419, 24.4078



44.3268, 22.4947, 18.1850



42.2873, 22.9152, 3.6338



18.3495, 18.1231, 20.4577



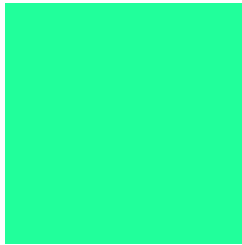
23.2345, 11.7831, 9.8856



2.3164, 1.1689, 1.2476

Previews

White Background



This preview shows how the XYZ color 42.3036, 74.2099, 43.1047 looks on a white background.

Color Contrast Check

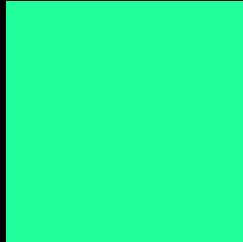
Large Text (above 18pt) WCAG AA × Fail

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 42.3036, 74.2099, 43.1047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

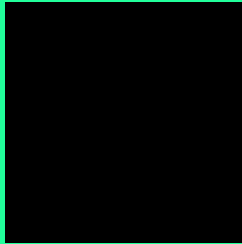
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3036, 74.2099, 43.1047

Background



This preview shows how black text looks on a background with the XYZ color 42.3036, 74.2099, 43.1047.

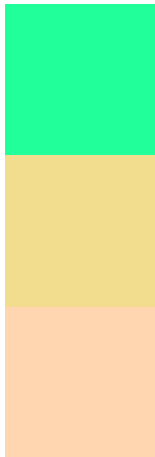


This preview shows how white text looks on a background with the XYZ color 42.3036, 74.2099, 43.1047.

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

42.3036, 74.2099, 43.1047

Protanopia

66.9398, 72.3368, 35.6336

Deuteranopia

73.1230, 72.4877, 51.2118



Tritanopia

58.2766, 73.7783, 105.7769

Trichromacy



Original Color

42.3036, 74.2099, 43.1047



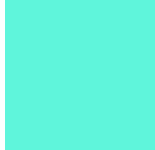
Protanomaly

49.8443, 68.3525, 37.7604



Deuteranomaly

52.5428, 67.8644, 47.3756



Tritanomaly

50.1579, 72.8522, 78.4361

Monochromacy



Original Color

42.3036, 74.2099, 43.1047



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.4502, 50.8872, 45.3845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3036, 74.2099, 43.1047 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(33, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 155)  
}
```

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(33, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 42.3036, 74.2099, 43.1047 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(33, 255, 155) }
```


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

```
.border{ border-color:rgb(33, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(33, 255, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(33, 255, 155); box-shadow:4px 4px 4px 4px rgb(33, 255, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3036, 74.2099, 43.1047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 155) }
```

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

```
.background{ background-color: rgb(33, 255,  
155) }
```

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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