

Converting Colors

XYZ(42.0132, 74.0768, 42.3412)

Have a look what the booklet for
XYZ(42.0132, 74.0768, 42.3412)
contains.

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Color

**XYZ(41.9887, 74.0668,
42.2203)**

Conversions

Conversions Part 1

Format	Color
Hex	1CFF99
RGB	28, 255, 153
RGB Percent	11%, 100%, 60%
CMY	0.8901, 0.0000, 0.4000
CMYK	0.89, 0.00, 0.40, 0.00
HSL	153°, 100%, 55%
HSV	153°, 89%, 100%
XYZ	41.9887, 74.0668, 42.2203
YIQ	175.4990, -102.5500, -79.8460

Conversions

Conversions Part 2

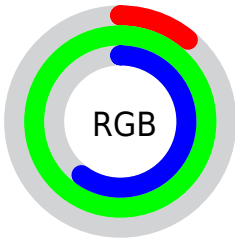
Format	Color
R _Y B	28, 174, 255
Decimal	1900441
CIE Lab	88.95, -71.58, 35.11
CIE LCh	89, 79.732, 153.872
Yxy	74.0668, 0.2653, 0.4680
Android (android.graphics.Color)	4280090521 (0xFF1CFF99)
YUV	175.4990, -11.0920, -129.3566
Hunter-Lab	86.0621, -63.5205, 31.1570

Details

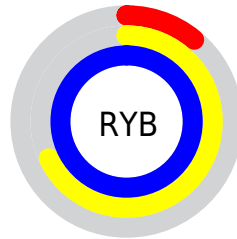
The XYZ color **41.9887, 74.0668, 42.2203** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.6855, 23.7031, 23.2897**, and the grayscale version is **41.1018, 43.2423, 47.0909**.

A 20% lighter version of the original color is **55.0303, 80.1390, 72.2425**, and **22.3152, 40.8721, 19.0249** is the 20% darker color. If you saturate the color by 10%, you get **40.6398, 73.4755, 37.4525**, and if you desaturate by 10%, it is **43.9979, 74.9879, 47.4960**.

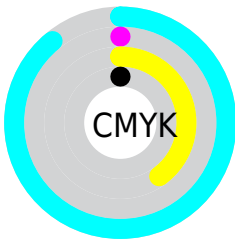
Distribution



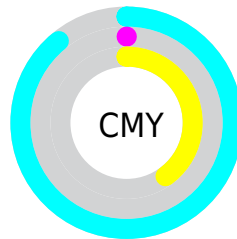
- Red (11%)
- Green (100%)
- Blue (60%)



- Red (11%)
- Yellow (68%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9887, 74.0668, 42.2203 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 41.9887, 74.0668, 42.2203 by changing the saturation by 10% instead.


 41.9887, 74.0668,
42.2203


 41.9887, 74.0668,
42.2203


345.4285,
474.7039, 371.2219

 29.2835, 54.8487,
28.9470


 77.4478, 124.9905,
79.8066


 19.4408, 39.2806,
18.7955


 100.9324,
157.4649, 104.9567


 12.0951, 26.9781,
11.3473


 128.7409,
195.1269, 134.9028

 6.8811, 17.5568,
6.1838

 161.2386,
238.3608, 170.0634

 3.4335, 10.6322,
2.8866

 198.7908,
287.5510, 210.8570

 1.3870, 5.8201,
1.0370

241.7630,

 0.2469, 2.7360,

343.0821, 257.7023

0.0000

290.5204,
405.3382, 311.0178

■ 0.0000, 0.9955,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9887, 74.0668,
42.2203

■ 41.9887, 74.0668,
42.2203

■ 40.6398, 73.4755,
37.4525

■ 43.9979, 74.9879,
47.4960

■ 40.5243, 73.4257,
37.0086

■ 46.8140, 76.3142,
53.2955

■ 50.5388, 78.0979,
59.6370

■ 55.2577, 80.3828,
66.5365

61.0458, 83.2073,
74.0089

67.9708, 86.6060,
82.0684

76.0944, 90.6106,
90.7287

85.4739, 95.2504,
100.0029

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.



51.6240, 74.0668, 20.5674



41.9887, 74.0668, 42.2203



39.4084, 74.0668, 88.0602

Triad

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



41.9887, 74.0668, 42.2203



72.9416, 74.0668, 240.6139



106.0469, 74.0668, 34.6289

Complementary

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



41.9887, 74.0668, 42.2203



45.6855, 23.7031, 23.2897

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.



114.4491, 74.0668, 73.6604



41.9887, 74.0668, 42.2203



93.2481, 74.0668, 205.4867

Square

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



41.9887, 74.0668, 42.2203



55.2454, 74.0668, 219.2089



109.3840, 74.0668, 137.2910



88.0957, 74.0668, 17.8064

Rectangle

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



41.9887, 74.0668, 42.2203



41.5512, 74.0668, 131.9366



109.3840, 74.0668, 137.2910



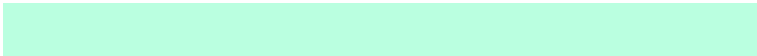
110.2173, 74.0668, 44.7408

Sweetspot

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



41.9892, 74.0671, 42.2216



69.5091, 87.3631, 83.7645



45.1998, 76.3621, 13.4565



14.3259, 18.4278, 17.3169



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.



41.9892, 74.0671, 42.2216



40.5243, 73.4257, 37.0086



50.7749, 71.9584, 105.8210



18.1902, 20.3356, 21.3044



21.2512, 38.3971, 19.7400



2.1242, 3.7606, 2.2121

Inverse Universe

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



45.6855, 23.7031, 23.2897



44.3107, 22.4883, 18.0998



42.1872, 22.8188, 3.2804



18.3487, 18.1228, 20.4531



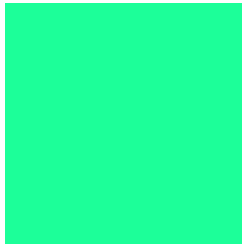
23.2260, 11.7797, 9.8407



2.3155, 1.1686, 1.2431

Previews

White Background



This preview shows how the XYZ color 41.9887, 74.0668, 42.2203 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 41.9887, 74.0668, 42.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

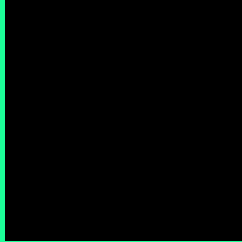
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9887, 74.0668, 42.2203

Background



This preview shows how black text looks on a background with the XYZ color 41.9887, 74.0668, 42.2203.



This preview shows how white text looks on a background with the XYZ color 41.9887, 74.0668,

Color Blindness Simulation

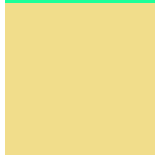
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.9887, 74.0668, 42.2203



Protanopia

66.7923, 72.2778, 34.8568



Deuteranopia

73.0244, 72.4483, 50.6926



Tritanopia

58.1224, 73.6988, 105.7697

Trichromacy



Original Color

41.9887, 74.0668, 42.2203



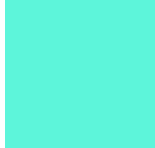
Protanomaly

49.4828, 68.1840, 36.9384



Deuteranomaly

52.0076, 67.5993, 46.8661



Tritanomaly

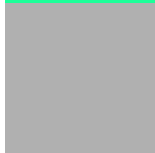
49.8215, 72.6939, 77.7351

Monochromacy



Original Color

41.9887, 74.0668, 42.2203



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.9252, 50.6274, 44.8717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9887, 74.0668, 42.2203 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(28, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(28, 255, 153)  
}
```

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(28, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 41.9887, 74.0668, 42.2203 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(28, 255, 153) }
```


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

```
.border{ border-color:rgb(28, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(28, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9887, 74.0668, 42.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 255, 153) }
```

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

```
.background{ background-color: rgb(28, 255,  
153) }
```

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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