

Converting Colors

XYZ(42.6377, 74.3024, 46.7209)

Have a look what the booklet for
XYZ(42.6377, 74.3024, 46.7209)
contains.

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Color

**XYZ(42.6394, 74.3028,
46.7449)**

Conversions

Conversions Part 1

Format	Color
Hex	13FFA3
RGB	19, 255, 163
RGB Percent	7%, 100%, 64%
CMY	0.9254, 0.0000, 0.3608
CMYK	0.93, 0.00, 0.36, 0.00
HSL	157°, 100%, 54%
HSV	157°, 93%, 100%
XYZ	42.6394, 74.3028, 46.7449
YIQ	173.9480, -111.1240, -78.6440

Conversions

Conversions Part 2

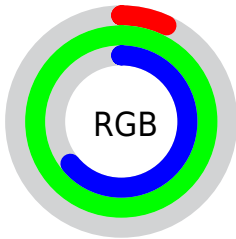
Format	Color
R_{YB}	19, 166, 255
Decimal	1310627
CIE _{Lab}	89.07, -70.11, 30.27
CIE _{LCh}	89, 76.363, 156.646
Yxy	74.3028, 0.2605, 0.4539
Android (android.graphics.Color)	4279500707 (0xFF13FFA3)
YUV	173.9480, -5.3974, -135.8894
Hunter-Lab	86.1991, -62.5512, 28.1870

Details

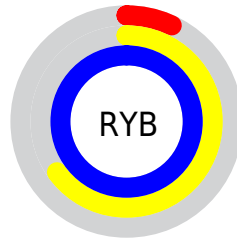
The XYZ color **42.6394, 74.3028, 46.7449** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **44.3431, 22.8743, 17.1208**, and the grayscale version is **40.2753, 42.3728, 46.1439**.

A 20% lighter version of the original color is **55.8861, 80.4335, 78.9094**, and **22.8355, 41.0802, 21.7646** is the 20% darker color. If you saturate the color by 10%, you get **41.7260, 73.9064, 43.3367**, and if you desaturate by 10%, it is **44.3584, 75.0819, 51.6610**.

Distribution



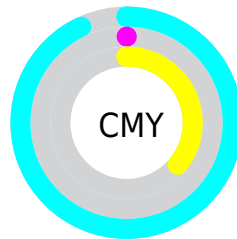
- Red (7%)
- Green (100%)
- Blue (64%)



- Red (7%)
- Yellow (65%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6394, 74.3028, 46.7449 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 42.6394, 74.3028, 46.7449 by changing the saturation by 10% instead.


 42.6394, 74.3028,
46.7449


 42.6394, 74.3028,
46.7449


348.0734,
475.5178, 390.1596


 29.7956, 55.0419,
32.4811


 78.4255, 125.3250,
86.6787


 19.8308, 39.4353,
21.4614


 102.0985,
157.8550, 113.1858


 12.3796, 27.0985,
13.2672

 130.1120,
195.5769, 144.6111

 7.0768, 17.6472,
7.4799

 162.8313,
238.8750, 181.3732

 3.5569, 10.6970,
3.6810

 200.6217,
288.1338, 223.8905

 1.4547, 5.8635,
1.4520

243.8486,

 0.2947, 2.7622,

343.7376, 272.5817

0.1818

292.8774,
406.0708, 327.8652

■ 0.0000, 1.0089,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6394, 74.3028,
46.7449

■ 42.6394, 74.3028,
46.7449


■ 41.7260, 73.9064,
43.3367


■ 44.3584, 75.0819,
51.6610


■ 46.8222, 76.2368,
56.9843


■ 50.1393, 77.8231,
62.7290


■ 54.3991, 79.8868,
68.9070

 59.6792, 82.4677,
75.5291

 66.0488, 85.6013,
82.6058

 73.5708, 89.3199,
90.1470

 82.3033, 93.6533,
98.1624

 92.3003, 98.6292,
106.6609

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3731, 74.3028, 23.4473



42.6394, 74.3028, 46.7449



40.7488, 74.3028, 93.3323

Triad

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



42.6394, 74.3028, 46.7449



74.8387, 74.3028, 231.0232



103.3392, 74.3028, 33.9111

Complementary

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



42.6394, 74.3028, 46.7449



44.3431, 22.8743, 17.1208

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.



112.3831, 74.3028, 69.6295



42.6394, 74.3028, 46.7449



94.1643, 74.3028, 193.8897

Square

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



42.6394, 74.3028, 46.7449



57.3863, 74.3028, 215.8795



108.7607, 74.3028, 128.6164



85.7520, 74.3028, 18.6341

Rectangle

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



42.6394, 74.3028, 46.7449



43.2621, 74.3028, 136.0115



108.7607, 74.3028, 128.6164



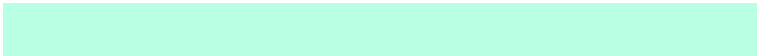
107.6079, 74.3028, 43.1452

Sweetspot

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



42.6400, 74.3030, 46.7462



69.3194, 87.2162, 85.9734



42.7406, 75.1050, 12.8609



14.1710, 18.3389, 17.7166



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.



42.6400, 74.3030, 46.7462



41.7260, 73.9064, 43.3367



47.0073, 64.7355, 104.6254



18.2373, 20.3544, 21.5524



21.8782, 38.6479, 23.0415



2.1838, 3.7845, 2.5259

Inverse Universe

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



44.3431, 22.8743, 17.1208



43.5118, 22.1687, 13.8932



42.2076, 23.0069, 2.8330



18.3025, 18.1043, 20.2103



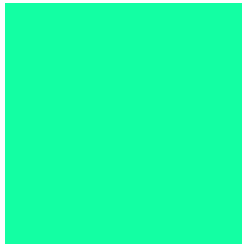
22.8037, 11.6108, 7.6168



2.2720, 1.1512, 1.0138

Previews

White Background



This preview shows how the XYZ color 42.6394, 74.3028, 46.7449 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 42.6394, 74.3028, 46.7449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

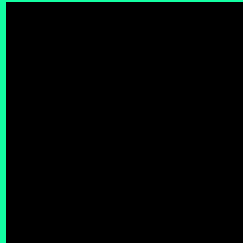
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

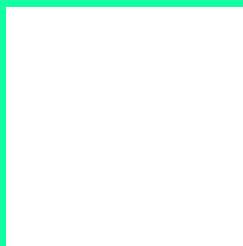
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6394, 74.3028, 46.7449

Background



This preview shows how black text looks on a background with the XYZ color 42.6394, 74.3028, 46.7449.

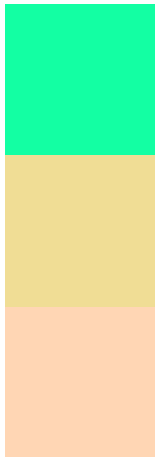


This preview shows how white text looks on a background with the XYZ color 42.6394, 74.3028,

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

42.6394, 74.3028, 46.7449

Protanopia

67.2164, 72.4081, 38.8672

Deuteranopia

73.5248, 72.6484, 53.3274



Tritanopia

58.2766, 73.7783, 105.7769

Trichromacy



Original Color

42.6394, 74.3028, 46.7449



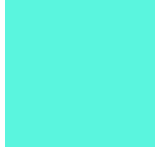
Protanomaly

49.4689, 68.0845, 41.1062



Deuteranomaly

52.0215, 67.5296, 50.3371



Tritanomaly

50.0537, 72.7524, 80.5118

Monochromacy



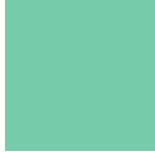
Original Color

42.6394, 74.3028, 46.7449



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.0828, 49.4657, 45.6763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6394, 74.3028, 46.7449 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(19, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(19, 255, 163)  
}
```

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(19, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.6394, 74.3028, 46.7449 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(19, 255, 163) }
```


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

```
.border{ border-color:rgb(19, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(19, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6394, 74.3028, 46.7449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 255, 163) }
```

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

```
.background{ background-color: rgb(19, 255,  
163) }
```

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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