

Converting Colors

XYZ(42.3051, 73.8621, 47.2366)

Have a look what the booklet for
XYZ(42.3051, 73.8621, 47.2366)
contains.

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Color

**XYZ(42.1427, 73.5640,
47.1001)**

Conversions

Conversions Part 1

Format	Color
Hex	00FEA4
RGB	0, 254, 164
RGB Percent	0%, 100%, 64%
CMY	0.9999, 0.0039, 0.3569
CMYK	1.00, 0.00, 0.35, 0.00
HSL	159°, 100%, 50%
HSV	159°, 100%, 100%
XYZ	42.1427, 73.5640, 47.1001
YIQ	167.7940, -122.4940, -81.8380

Conversions

Conversions Part 2

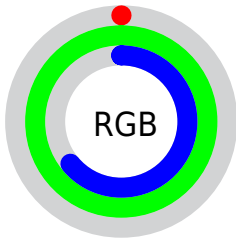
Format	Color
RYB	0, 154, 254
Decimal	65188
CIELab	88.72, -70.09, 29.29
CIELCh	89, 75.966, 157.323
Yxy	73.5640, 0.2589, 0.4518
Android (android.graphics.Color)	4278255268 (0xFF00FEA4)
YUV	167.7940, -1.8704, -147.1553
Hunter-Lab	85.7695, -62.3908, 27.4797

Details

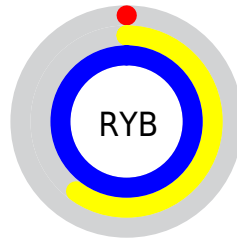
The XYZ color **42.1427, 73.5640, 47.1001** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.7218, 21.8110, 11.6384**, and the grayscale version is **37.1758, 39.1119, 42.5928**.

A 20% lighter version of the original color is **55.6164, 80.2793, 79.5820**, and **22.6646, 40.6497, 21.9809** is the 20% darker color. If you saturate the color by 10%, you get **42.1432, 73.5663, 47.0966**, and if you desaturate by 10%, it is **43.3980, 74.1158, 51.5556**.

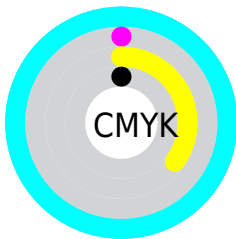
Distribution



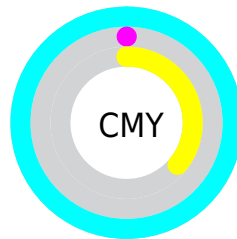
- Red (0%)
- Green (100%)
- Blue (64%)



- Red (0%)
- Yellow (60%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1427, 73.5640, 47.1001 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 42.1427, 73.5640, 47.1001 by changing the saturation by 10% instead.


 42.1427, 73.5640,
47.1001


 42.1427, 73.5640,
47.1001


346.0557,
472.9672, 391.6193

 29.4046, 54.4373,
32.7599


 77.6794, 124.2776,
87.2146


 19.5330, 38.9514,
21.6730


 101.2087,
156.6332, 113.8259

 12.1623, 26.7219,
13.4208


 129.0658,
194.1672, 145.3647

 6.9273, 17.3645,
7.5848

 161.6160,
237.2640, 182.2495

 3.4626, 10.4947,
3.7465

 199.2248,
286.3080, 224.8988

 1.4029, 5.7282,
1.4873

242.2574,

 0.2583, 2.6805,

341.6836, 273.7311

0.2085

291.0793,
403.7752, 329.1651

■ 0.0000, 0.9673,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1427, 73.5640,
47.1001

■ 42.1427, 73.5640,
47.1001

■ 42.1432, 73.5663,
47.0966

■ 43.3980, 74.1158,
51.5556

■ 45.2440, 74.9634,
56.3435

■ 47.8468, 76.1942,
61.4791

■ 51.3073, 77.8602,
66.9726

■ 55.7102, 80.0048,
72.8336

■ 61.1296, 82.6661,
79.0709

■ 67.6319, 85.8783,
85.6929

■ 75.2778, 89.6726,
92.7075

■ 84.1234, 94.0777,
100.1224

Harmonies

Analogous

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



50.6254, 73.5640, 23.5980



42.1427, 73.5640, 47.1001



40.4247, 73.5640, 93.6900

Triad

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



42.1427, 73.5640, 47.1001



74.5176, 73.5640, 228.0527



101.9198, 73.5640, 33.1055

Complementary

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



42.1427, 73.5640, 47.1001



42.7218, 21.8110, 11.6384

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.



111.1064, 73.5640, 67.8898



42.1427, 73.5640, 47.1001



93.5839, 73.5640, 190.4048

Square

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



42.1427, 73.5640, 47.1001



57.1738, 73.5640, 214.2948



107.8152, 73.5640, 125.7436



84.4333, 73.5640, 18.3394

Rectangle

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



42.1427, 73.5640, 47.1001



43.0117, 73.5640, 136.0478



107.8152, 73.5640, 125.7436



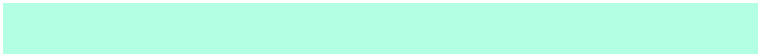
106.2087, 73.5640, 42.0758

Sweetspot

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



42.1446, 73.5669, 47.1018



68.2234, 86.6396, 86.4464



39.9732, 73.2216, 12.0273



13.9813, 18.2370, 17.8898



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.



42.1446, 73.5669, 47.1018



42.5183, 74.2233, 47.5088



43.5207, 58.4167, 102.7512



18.2655, 20.3657, 21.7012



22.2904, 38.8128, 25.2123



2.2223, 3.7999, 2.7287

Inverse Universe

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



42.7218, 21.8110, 11.6384



43.1011, 22.0044, 11.7302



41.4438, 22.2097, 2.1035



18.2752, 18.0934, 20.0665



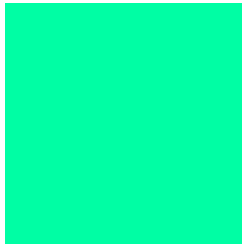
22.5853, 11.5234, 6.4666



2.2487, 1.1419, 0.8912

Previews

White Background



This preview shows how the XYZ color 42.1427, 73.5640, 47.1001 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 42.1427, 73.5640, 47.1001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

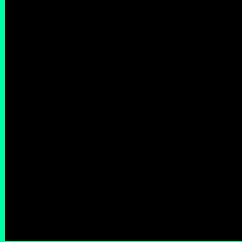
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1427, 73.5640, 47.1001

Background



This preview shows how black text looks on a background with the XYZ color 42.1427, 73.5640, 47.1001.

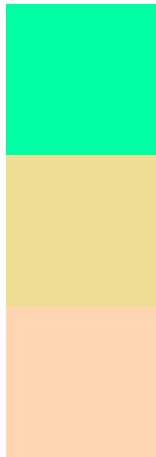


This preview shows how white text looks on a background with the XYZ color 42.1427, 73.5640,

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

42.1427, 73.5640, 47.1001

Protanopia

66.9581, 72.2656, 39.2738

Deuteranopia

73.0701, 72.0629, 52.1778



Tritanopia

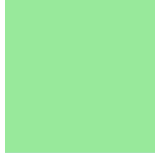
57.2287, 72.8047, 105.6442

Trichromacy



Original Color

42.1427, 73.5640, 47.1001



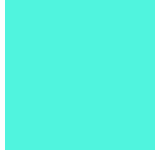
Protanomaly

48.0042, 67.3198, 41.4743



Deuteranomaly

50.1865, 66.1853, 49.6651



Tritanomaly

48.8438, 71.6808, 80.3687

Monochromacy



Original Color

42.1427, 73.5640, 47.1001



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.4619, 46.7627, 43.8217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1427, 73.5640, 47.1001 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(0, 254, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 164)  
}
```

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(0, 254, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 164) }
```

Border

The CSS property to change the border of an element to XYZ 42.1427, 73.5640, 47.1001 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(0, 254, 164) }
```


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

```
.border{ border-color:rgb(0, 254, 164) }
```

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

Here you see how a box with a 4 pixel rgb(0, 254, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1427, 73.5640, 47.1001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 164) }
```

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

```
.background{ background-color: rgb(0, 254,  
164) }
```

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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