

Converting Colors

XYZ(28.0207, 71.5967, 47.7540)

Have a look what the booklet for
XYZ(28.0207, 71.5967, 47.7540)
contains.

XYZ(42.5515, 74.2366, 47.6837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.5515, 74.2366,
47.6837)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFA5
RGB	0, 255, 165
RGB Percent	0%, 100%, 65%
CMY	0.9999, 0.0000, 0.3529
CMYK	1.00, 0.00, 0.35, 0.00
HSL	159°, 100%, 50%
HSV	159°, 100%, 100%
XYZ	42.5515, 74.2366, 47.6837
YIQ	168.4950, -123.0900, -82.0500

Conversions

Conversions Part 2

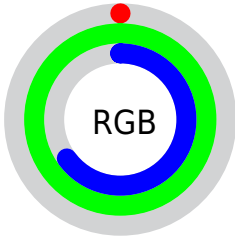
Format	Color
RYB	0, 155, 255
Decimal	65445
CIELab	89.03, -70.24, 29.21
CIELCh	89, 76.069, 157.416
Yxy	74.2366, 0.2587, 0.4514
Android (android.graphics.Color)	4278255525 (0xFF00FFA5)
YUV	168.4950, -1.7230, -147.7701
Hunter-Lab	86.1607, -62.6267, 27.4997

Details

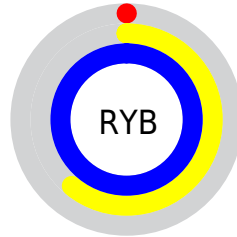
The XYZ color **42.5515, 74.2366, 47.6837** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.0868, 21.9992, 11.6535**, and the grayscale version is **37.5181, 39.4720, 42.9850**.

A 20% lighter version of the original color is **55.7485, 80.3321, 80.2775**, and **22.8909, 41.1024, 22.0563** is the 20% darker color. If you saturate the color by 10%, you get **42.5509, 74.2364, 47.6805**, and if you desaturate by 10%, it is **43.8143, 74.7895, 52.1726**.

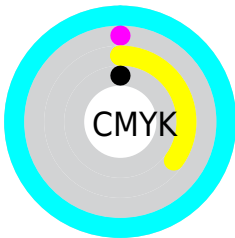
Distribution



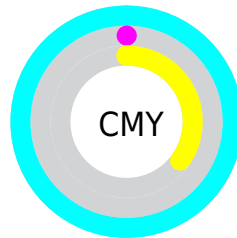
- Red (0%)
- Green (100%)
- Blue (65%)



- Red (0%)
- Yellow (61%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5515, 74.2366, 47.6837 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 42.5515, 74.2366, 47.6837 by changing the saturation by 10% instead.


 42.5515, 74.2366,
47.6837


 42.5515, 74.2366,
47.6837


347.7169,
475.2896, 394.0095

 29.7264, 54.9877,
33.2183


 78.2936, 125.2311,
88.0939


 19.7780, 39.3919,
22.0212


 101.9412,
157.7456, 114.8758

 12.3411, 27.0647,
13.6740

 129.9270,
195.4507, 146.6002

 7.0503, 17.6218,
7.7581

 162.6165,
238.7308, 183.6857

 3.5402, 10.6788,
3.8550

 200.3748,
287.9704, 226.5508

 1.4454, 5.8513,
1.5462

243.5674,

 0.2883, 2.7549,

343.5537, 275.6142

0.2520

292.5597,
405.8653, 331.2942

■ 0.0000, 1.0051,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5515, 74.2366,
47.6837

■ 42.5515, 74.2366,
47.6837


■ 42.5509, 74.2364,
47.6805


■ 43.8143, 74.7895,
52.1726


■ 45.6742, 75.6436,
56.9953


■ 48.2974, 76.8841,
62.1664


■ 51.7857, 78.5636,
67.6965

 56.2246, 80.7260,
73.5950

 61.6889, 83.4097,
79.8707

 68.2457, 86.6492,
86.5321

 75.9563, 90.4760,
93.5871

 84.8772, 94.9191,
101.0434

Harmonies

Analogous

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



51.0806, 74.2366, 23.9183



42.5515, 74.2366, 47.6837



40.8405, 74.2366, 94.7037

Triad

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



42.5515, 74.2366, 47.6837



75.2505, 74.2366, 229.7554



102.7459, 74.2366, 33.3931

Complementary

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



42.5515, 74.2366, 47.6837



43.0868, 21.9992, 11.6535

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.



112.0317, 74.2366, 68.3839



42.5515, 74.2366, 47.6837



94.4510, 74.2366, 191.7262

Square

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



42.5515, 74.2366, 47.6837



57.7630, 74.2366, 216.0725



108.7570, 74.2366, 126.5994



85.1191, 74.2366, 18.5424

Rectangle

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



42.5515, 74.2366, 47.6837



43.4624, 74.2366, 137.3881



108.7570, 74.2366, 126.5994



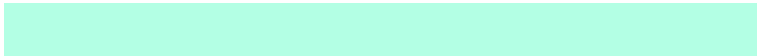
107.0749, 74.2366, 42.4164

Sweetspot

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



42.5521, 74.2369, 47.6850



68.2384, 86.6456, 86.5251



40.3268, 73.8743, 12.1345



13.9848, 18.2385, 17.9086



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.



42.5521, 74.2369, 47.6850



42.5509, 74.2364, 47.6805



43.9077, 58.9349, 103.6691



18.2666, 20.3662, 21.7071



22.3074, 38.8195, 25.3015



2.2239, 3.8005, 2.7370

Inverse Universe

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



43.0868, 21.9992, 11.6535



43.0857, 21.9983, 11.6496



41.8128, 22.4054, 2.1216



18.2742, 18.0930, 20.0608



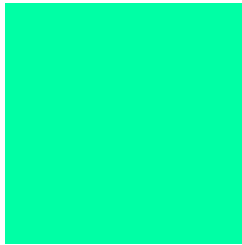
22.5771, 11.5201, 6.4236



2.2478, 1.1415, 0.8865

Previews

White Background



This preview shows how the XYZ color 42.5515, 74.2366, 47.6837 looks on a white background.

Color Contrast Check

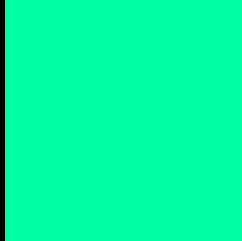
Large Text (above 18pt) WCAG AA × Fail

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 42.5515, 74.2366, 47.6837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

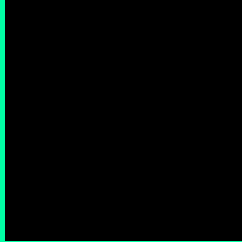
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

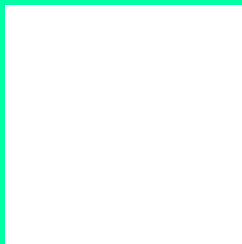
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5515, 74.2366, 47.6837

Background



This preview shows how black text looks on a background with the XYZ color 42.5515, 74.2366, 47.6837.



This preview shows how white text looks on a background with the XYZ color 42.5515, 74.2366, 47.6837.

Color Blindness Simulation

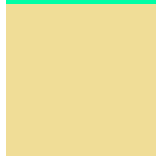
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



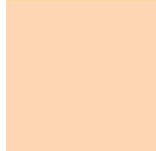
Original Color

42.5515, 74.2366, 47.6837



Protanopia

67.3775, 72.4725, 39.7156



Deuteranopia

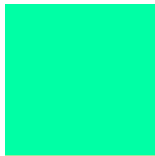
73.5248, 72.6484, 53.3274



Tritanopia

58.1224, 73.6988, 105.7697

Trichromacy



Original Color

42.5515, 74.2366, 47.6837



Protanomaly

48.2765, 67.4504, 41.9273



Deuteranomaly

50.6575, 66.8152, 50.7841



Tritanomaly

49.4045, 72.4177, 80.4814

Monochromacy



Original Color

42.5515, 74.2366, 47.6837



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.9065, 47.3239, 44.3931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5515, 74.2366, 47.6837 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, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 165)  
}
```

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, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 42.5515, 74.2366, 47.6837 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, 255, 165) }
```


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

```
.border{ border-color:rgb(0, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5515, 74.2366, 47.6837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 165) }
```

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

```
.background{ background-color: rgb(0, 255,  
165) }
```

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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