

Converting Colors

XYZ(42.7025, 74.2970, 48.4785)

Have a look what the booklet for
XYZ(42.7025, 74.2970, 48.4785)
contains.

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Color

**XYZ(42.7351, 74.3100,
48.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFA7
RGB	0, 255, 167
RGB Percent	0%, 100%, 65%
CMY	0.9999, 0.0000, 0.3451
CMYK	1.00, 0.00, 0.35, 0.00
HSL	159°, 100%, 50%
HSV	159°, 100%, 100%
XYZ	42.7351, 74.3100, 48.6501
YIQ	168.7230, -123.7320, -81.4280

Conversions

Conversions Part 2

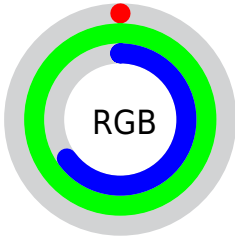
Format	Color
RYB	0, 154, 255
Decimal	65447
CIELab	89.07, -69.84, 28.25
CIELCh	89, 75.335, 157.973
Yxy	74.3100, 0.2579, 0.4485
Android (android.graphics.Color)	4278255527 (0xFF00FFA7)
YUV	168.7230, -0.8494, -147.9701
Hunter-Lab	86.2032, -62.3646, 26.8811

Details

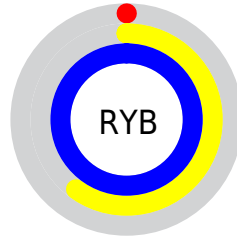
The XYZ color **42.7351, 74.3100, 48.6501** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.0032, 21.9659, 11.2131**, and the grayscale version is **37.6281, 39.5877, 43.1110**.

A 20% lighter version of the original color is **56.1495, 80.4926, 82.3893**, and **23.0035, 41.1474, 22.6494** is the 20% darker color. If you saturate the color by 10%, you get **42.7341, 74.3097, 48.6453**, and if you desaturate by 10%, it is **43.9913, 74.8604, 53.1034**.

Distribution



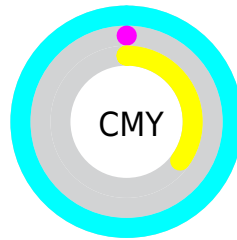
- Red (0%)
- Green (100%)
- Blue (65%)



- Red (0%)
- Yellow (60%)
- 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 42.7351, 74.3100, 48.6501 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 42.7351, 74.3100, 48.6501 by changing the saturation by 10% instead.


 42.7351, 74.3100,
48.6501


 42.7351, 74.3100,
48.6501


348.4612,
475.5426, 397.9460


 29.8709, 55.0478,
33.9784


 78.5692, 125.3352,
89.5472


 19.8882, 39.4400,
22.5997


 102.2698,
157.8669, 116.6095

 12.4216, 27.1022,
14.0957

 130.3133,
195.5906, 148.6392

 7.1057, 17.6500,
8.0478

 163.0650,
238.8907, 186.0548

 3.5752, 10.6990,
4.0373

 200.8903,
288.1515, 229.2746

 1.4648, 5.8648,
1.6458

244.1545,

 0.3017, 2.7630,

343.7575, 278.7175

0.3232

293.2231,
406.0931, 334.8017

■ 0.0000, 1.0093,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7351, 74.3100,
48.6501

■ 42.7351, 74.3100,
48.6501

■ 42.7341, 74.3097,
48.6453

■ 43.9913, 74.8604,
53.1034

■ 45.8423, 75.7108,
57.8779

■ 48.4542, 76.9469,
62.9880

■ 51.9287, 78.6209,
68.4438

■ 56.3513, 80.7768,
74.2544

■ 61.7966, 83.4530,
80.4283

■ 68.3317, 86.6839,
86.9734

■ 76.0178, 90.5009,
93.8974

■ 84.9114, 94.9331,
101.2077

Harmonies

Analogous

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



51.0866, 74.3100, 24.5727



42.7351, 74.3100, 48.6501



41.1581, 74.3100, 95.7351

Triad

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



42.7351, 74.3100, 48.6501



75.6318, 74.3100, 227.7016



102.2171, 74.3100, 33.3385

Complementary

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



42.7351, 74.3100, 48.6501



43.0032, 21.9659, 11.2131

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.



111.6013, 74.3100, 67.7020



42.7351, 74.3100, 48.6501



94.6115, 74.3100, 189.4220

Square

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



42.7351, 74.3100, 48.6501



58.2178, 74.3100, 215.1954



108.6005, 74.3100, 124.9813



84.6904, 74.3100, 18.7741

Rectangle

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



42.7351, 74.3100, 48.6501



43.8499, 74.3100, 138.0948



108.6005, 74.3100, 124.9813



106.5552, 74.3100, 42.1985

Sweetspot

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



42.7357, 74.3103, 48.6514



68.3217, 86.6789, 86.9639



39.9063, 73.6575, 12.1151



14.0047, 18.2464, 18.0134



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.



42.7357, 74.3103, 48.6514



42.7341, 74.3097, 48.6453



42.8003, 56.7199, 103.3000



18.2729, 20.3687, 21.7400



22.4026, 38.8576, 25.8029



2.2327, 3.8040, 2.7834

Inverse Universe

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



43.0032, 21.9659, 11.2131



43.0019, 21.9647, 11.2078



41.9423, 22.6643, 2.1651



18.2681, 18.0906, 20.0292



22.5324, 11.5022, 6.1880



2.2430, 1.1396, 0.8609

Previews

White Background



This preview shows how the XYZ color 42.7351, 74.3100, 48.6501 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 42.7351, 74.3100, 48.6501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

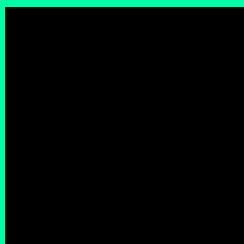
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7351, 74.3100, 48.6501

Background



This preview shows how black text looks on a background with the XYZ color 42.7351, 74.3100, 48.6501.

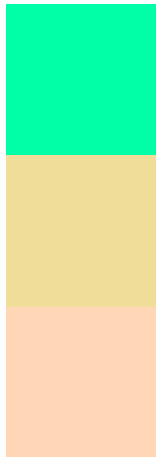


This preview shows how white text looks on a background with the XYZ color 42.7351, 74.3100,

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

42.7351, 74.3100, 48.6501

Protanopia

67.5414, 72.5381, 40.5784

Deuteranopia

73.7301, 72.7305, 54.4084



Tritanopia

58.2766, 73.7783, 105.7769

Trichromacy



Original Color

42.7351, 74.3100, 48.6501



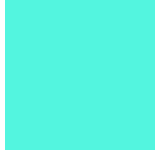
Protanomaly

48.4473, 67.5188, 42.8267



Deuteranomaly

50.8554, 66.8943, 51.8265



Tritanomaly

49.5390, 72.4715, 81.1895

Monochromacy



Original Color

42.7351, 74.3100, 48.6501



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 42.7351, 74.3100, 48.6501 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 42.7351, 74.3100, 48.6501 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, 167) }
```


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

```
.border{ border-color:rgb(0, 255, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7351, 74.3100, 48.6501 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, 167) }
```

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

```
.background{ background-color: rgb(0, 255,  
167) }
```

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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