

# Converting Colors

XYZ(42.4843, 74.2419, 45.7998)

Have a look what the booklet for  
XYZ(42.4843, 74.2419, 45.7998)  
contains.

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# Color

**XYZ(42.4815, 74.2419,  
45.8093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14FFA1
RGB	20, 255, 161
RGB Percent	8%, 100%, 63%
CMY	0.9215, 0.0000, 0.3686
CMYK	0.92, 0.00, 0.37, 0.00
HSL	156°, 100%, 54%
HSV	156°, 92%, 100%
XYZ	42.4815, 74.2419, 45.8093
YIQ	174.0190, -109.8860, -79.0540

# Conversions

## Conversions Part 2

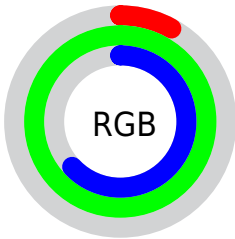
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 167, 255
Decimal	1376161
CIE <sub>Lab</sub>	89.04, -70.46, 31.23
CIE <sub>LCh</sub>	89, 77.070, 156.091
Yxy	74.2419, 0.2614, 0.4568
Android (android.graphics.Color)	4279566241 (0xFF14FFA1)
YUV	174.0190, -6.4184, -135.0747
Hunter-Lab	86.1637, -62.7803, 28.7928

# Details

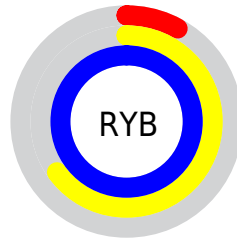
The XYZ color **42.4815, 74.2419, 45.8093** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **44.5285, 22.9761, 18.0118**, and the grayscale version is **40.3166, 42.4162, 46.1912**.

A 20% lighter version of the original color is **55.7624, 80.3998, 77.5455**, and **22.7266, 41.0366, 21.1910** is the 20% darker color. If you saturate the color by 10%, you get **41.5094, 73.8198, 42.1959**, and if you desaturate by 10%, it is **44.2351, 75.0377, 50.7819**.

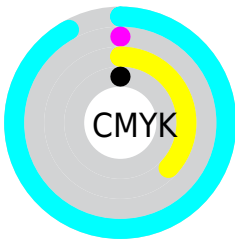
# Distribution



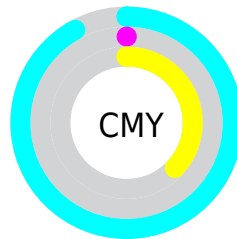
- Red (8%)
- Green (100%)
- Blue (63%)



- Red (8%)
- Yellow (65%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (92%)
- Magenta (0%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4815, 74.2419, 45.8093 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 42.4815, 74.2419, 45.8093 by changing the saturation by 10% instead.





 42.4815, 74.2419,  
45.8093


 42.4815, 74.2419,  
45.8093


347.4328,  
475.3078, 386.2967

 29.6713, 54.9920,  
31.7478


 78.1884, 125.2387,  
85.2648


 19.7360, 39.3954,  
20.9057


 101.8158,  
157.7544, 111.4959


 12.3105, 27.0674,  
12.8645


 129.7797,  
195.4608, 142.6205

 7.0292, 17.6239,  
7.2057

 162.4453,  
238.7424, 179.0573

 3.5268, 10.6803,  
3.5107

 200.1781,  
287.9834, 221.2248

 1.4381, 5.8523,  
1.3609


243.3434,

 0.2831, 2.7555,


343.5685, 269.5415


0.1110


292.3065,  
405.8818, 324.4260


 0.0000, 1.0054,  
0.0000

 0.0000, 0.0000,  
0.0000


 42.4815, 74.2419,  
45.8093


 42.4815, 74.2419,  
45.8093

 41.5094, 73.8198,  
42.1959

 44.2351, 75.0377,  
50.7819

 46.7418, 76.2130,  
56.1805

 50.1091, 77.8232,  
62.0198

 54.4260, 79.9138,  
68.3122

■ 59.7698, 82.5247,  
75.0693

■ 66.2097, 85.6911,  
82.3021

■ 73.8085, 89.4454,  
90.0211

■ 82.6240, 93.8173,  
98.2364

■ 92.7103, 98.8344,  
106.9578

# Harmonies

## Analogous

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



51.3942, 74.2419, 22.8314



42.4815, 74.2419, 45.8093



40.4550, 74.2419, 92.2904

# Triad

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



42.4815, 74.2419, 45.8093



74.4582, 74.2419, 233.0109



103.8741, 74.2419, 34.0087

# Complementary

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



42.4815, 74.2419, 45.8093



44.5285, 22.9761, 18.0118

# 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.



112.8049, 74.2419, 70.3724



42.4815, 74.2419, 45.8093



93.9925, 74.2419, 196.2020

# Square

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



42.4815, 74.2419, 45.8093



56.9444, 74.2419, 216.6532



108.9015, 74.2419, 130.2924



86.2002, 74.2419, 18.4341



# Rectangle

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



42.4815, 74.2419, 45.8093



42.8965, 74.2419, 135.2523



108.9015, 74.2419, 130.2924



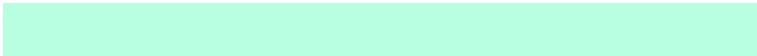
108.1285, 74.2419, 43.4123

# Sweetspot

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



42.4821, 74.2422, 45.8106



69.2192, 87.1761, 85.4460



43.3477, 75.4170, 12.9349



14.1469, 18.3292, 17.5896



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

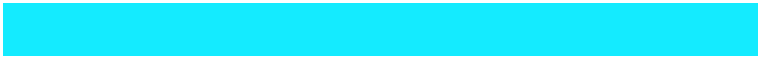
The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.4821, 74.2422, 45.8106



41.5094, 73.8198, 42.1959



48.1670, 67.0253, 105.0062



18.2292, 20.3512, 21.5099



21.7653, 38.6027, 22.4472



2.1732, 3.7802, 2.4700



# Inverse Universe

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



44.5285, 22.9761, 18.0118



43.6385, 22.2194, 14.5603



42.1118, 22.8013, 2.8442



18.3104, 18.1075, 20.2517



22.8709, 11.6376, 7.9705

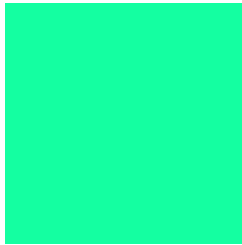


2.2791, 1.1540, 1.0509



# Previews

## White Background



This preview shows how the XYZ color 42.4815, 74.2419, 45.8093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

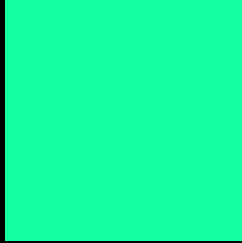
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4815, 74.2419, 45.8093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

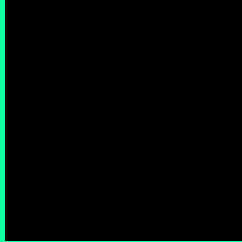
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

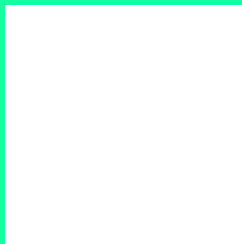
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.4815, 74.2419, 45.8093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4815, 74.2419, 45.8093.



This preview shows how white text looks on a background with the XYZ color 42.4815, 74.2419, 45.8093.



# Color Blindness Simulation

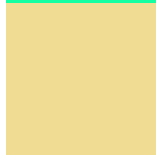
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

42.4815, 74.2419, 45.8093



### Protanopia

67.0581, 72.3448, 38.0334



### Deuteranopia

73.4233, 72.6078, 52.7927



## Tritanopia

58.1224, 73.6988, 105.7697

# Trichromacy



## Original Color

42.4815, 74.2419, 45.8093



## Protanomaly

49.3036, 68.0184, 40.2361



## Deuteranomaly

52.0433, 67.5632, 49.3278



## Tritanomaly

49.9200, 72.6989, 79.8079

# Monochromacy



## Original Color

42.4815, 74.2419, 45.8093



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

35.9886, 49.4280, 45.1799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4815, 74.2419, 45.8093 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(20, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(20, 255, 161)  
}
```

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(20, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 255, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4815, 74.2419, 45.8093 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(20, 255, 161) }
```



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

```
.border{ border-color:rgb(20, 255, 161) }
```

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

Here you see how a box with a 4 pixel rgb(20, 255, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(20, 255,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4815, 74.2419, 45.8093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 255, 161) }
```

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

```
.background{ background-color: rgb(20, 255,  
161) }
```

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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