

Converting Colors

XYZ(44.6503, 75.4251, 42.9695)

Have a look what the booklet for
XYZ(44.6503, 75.4251, 42.9695)
contains.

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Color

**XYZ(44.6533, 75.4309,
42.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFF9A
RGB	77, 255, 154
RGB Percent	30%, 100%, 60%
CMY	0.6980, 0.0000, 0.3961
CMYK	0.70, 0.00, 0.40, 0.00
HSL	146°, 100%, 65%
HSV	146°, 70%, 100%
XYZ	44.6533, 75.4309, 42.7780
YIQ	190.2640, -73.6670, -69.1470

Conversions

Conversions Part 2

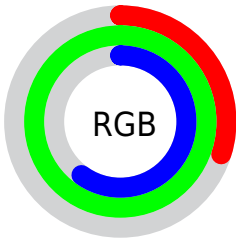
Format	Color
RYB	77, 201, 255
Decimal	5111706
CIELab	89.59, -66.45, 35.58
CIELCh	90, 75.378, 151.837
Yxy	75.4309, 0.2742, 0.4632
Android (android.graphics.Color)	4283301786 (0xFF4DFF9A)
YUV	190.2640, -17.8782, -99.3325
Hunter-Lab	86.8510, -60.2157, 31.5927

Details

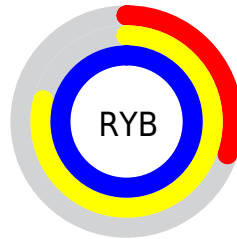
The XYZ color **44.6533, 75.4309, 42.7780** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **51.9300, 29.7826, 45.1313**, and the grayscale version is **49.2262, 51.7898, 56.3991**.

A 20% lighter version of the original color is **59.1227, 82.2344, 73.0783**, and **22.3645, 40.8918, 19.2846** is the 20% darker color. If you saturate the color by 10%, you get **41.8501, 74.1167, 36.7313**, and if you desaturate by 10%, it is **48.4086, 77.2190, 49.6300**.

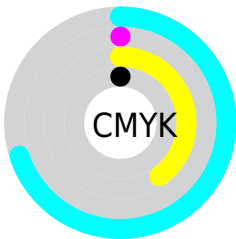
Distribution



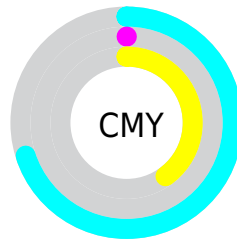
- Red (30%)
- Green (100%)
- Blue (60%)



- Red (30%)
- Yellow (79%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6533, 75.4309, 42.7780 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 44.6533, 75.4309, 42.7780 by changing the saturation by 10% instead.


 44.6533, 75.4309,
42.7780

 44.6533, 75.4309,
42.7780


356.1750,
479.3973, 373.5924


 31.3845, 55.9660,
29.3809


 81.4402, 126.9221,
80.6585


 21.0451, 40.1756,
19.1211


 105.6890,
159.7172, 105.9790

 13.2696, 27.6755,
11.5801


 134.3286,
197.7245, 136.1109

 7.6928, 18.0812,
6.3394

 167.7243,
241.3283, 171.4729

 3.9491, 11.0083,
2.9804

206.2414,
290.9131, 212.4835

 1.6734, 6.0724,
1.0846

250.2453,

 0.4395, 2.8892,

346.8633, 259.5613

0.0000

300.1014,
409.5632, 313.1247

■ 0.0000, 1.0741,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6533, 75.4309,
42.7780

■ 44.6533, 75.4309,
42.7780

■ 41.8501, 74.1167,
36.7313

■ 48.4086, 77.2190,
49.6300

■ 39.8919, 73.2220,
31.4545


■ 53.2037, 79.5259,
57.3133


■ 38.6133, 72.6621,
26.9126

■ 59.1171, 82.3914,
65.8571

■ 38.5914, 72.6526,
26.8300

■ 66.2195, 85.8514,
75.2880

 74.5752, 89.9387,
85.6312

 84.2440, 94.6835,
96.9111

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.4986, 75.4309, 22.3744



44.6533, 75.4309, 42.7780



41.6604, 75.4309, 85.4445

Triad

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



44.6533, 75.4309, 42.7780



72.8425, 75.4309, 232.1085



106.4140, 75.4309, 39.2158

Complementary

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



44.6533, 75.4309, 42.7780



51.9300, 29.7826, 45.1313

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.



113.5156, 75.4309, 78.9051



44.6533, 75.4309, 42.7780



92.1740, 75.4309, 202.8579

Square

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



44.6533, 75.4309, 42.7780



56.1622, 75.4309, 208.8909



107.9064, 75.4309, 140.3035



89.8558, 75.4309, 21.0283

Rectangle

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



44.6533, 75.4309, 42.7780



43.4525, 75.4309, 126.2208



107.9064, 75.4309, 140.3035



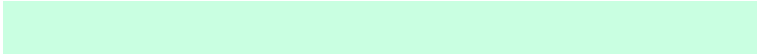
110.1032, 75.4309, 49.7296

Sweetspot

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



44.6538, 75.4311, 42.7793



73.5067, 89.4152, 84.3439



56.1170, 81.8597, 19.8646



15.2213, 18.8878, 17.4285



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.



44.6538, 75.4311, 42.7793



40.9320, 73.6935, 34.4245



54.5738, 79.3991, 95.0174



18.0978, 20.2987, 20.8181



20.2364, 37.9912, 14.3961



2.0239, 3.7205, 1.6837

Inverse Universe

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



51.9300, 29.7826, 45.1313



48.5778, 25.4528, 36.6933



45.8187, 27.3381, 12.9496



18.4412, 18.1598, 20.9405



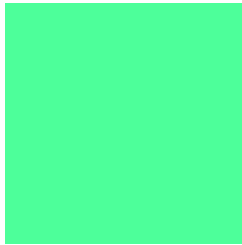
24.2832, 12.2026, 15.4076



2.4192, 1.2101, 1.7890

Previews

White Background



This preview shows how the XYZ color 44.6533, 75.4309, 42.7780 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 44.6533, 75.4309, 42.7780 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 44.6533, 75.4309, 42.7780

Background



This preview shows how black text looks on a background with the XYZ color 44.6533, 75.4309, 42.7780.

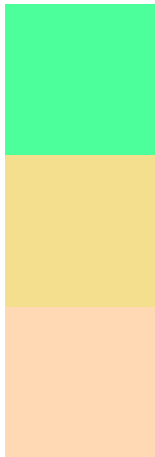


This preview shows how white text looks on a background with the XYZ color 44.6533, 75.4309, 42.7780.

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

44.6533, 75.4309, 42.7780

Protanopia

68.1575, 73.7531, 35.8428

Deuteranopia

74.0341, 73.6670, 53.4972



Tritanopia

60.4181, 74.8823, 105.8771

Trichromacy



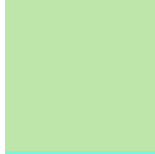
Original Color

44.6533, 75.4309, 42.7780



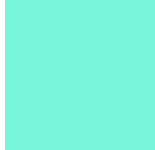
Protanomaly

54.4251, 71.5593, 38.1379



Deuteranomaly

56.8827, 70.4811, 49.1342



Tritanomaly

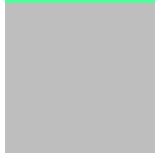
53.0530, 74.3598, 77.8864

Monochromacy



Original Color

44.6533, 75.4309, 42.7780



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.3768, 57.6570, 50.3850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6533, 75.4309, 42.7780 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(77, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 154)  
}
```

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(77, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 154) }
```

Border

The CSS property to change the border of an element to XYZ 44.6533, 75.4309, 42.7780 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(77, 255, 154) }
```


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

```
.border{ border-color:rgb(77, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6533, 75.4309, 42.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 154) }
```

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

```
.background{ background-color: rgb(77, 255,  
154) }
```

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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