

Converting Colors

XYZ(45.0168, 75.5263, 46.9498)

Have a look what the booklet for
XYZ(45.0168, 75.5263, 46.9498)
contains.

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Color

**XYZ(44.9694, 75.5039,
46.8539)**

Conversions

Conversions Part 1

Format	Color
Hex	47FFA3
RGB	71, 255, 163
RGB Percent	28%, 100%, 64%
CMY	0.7215, 0.0000, 0.3608
CMYK	0.72, 0.00, 0.36, 0.00
HSL	150°, 100%, 64%
HSV	150°, 72%, 100%
XYZ	44.9694, 75.5039, 46.8539
YIQ	189.4960, -80.1320, -67.6200

Conversions

Conversions Part 2

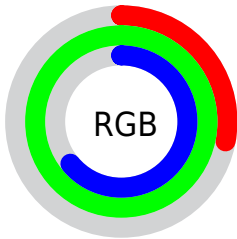
Format	Color
RYB	71, 194, 255
Decimal	4718499
CIELab	89.63, -65.69, 31.12
CIElCh	90, 72.687, 154.647
Yxy	75.5039, 0.2688, 0.4512
Android (android.graphics.Color)	4282908579 (0xFF47FFA3)
YUV	189.4960, -13.0625, -103.9210
Hunter-Lab	86.8930, -59.6843, 28.8551

Details

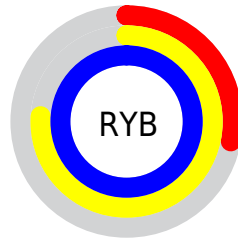
The XYZ color **44.9694, 75.5039, 46.8539** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **50.1046, 28.4115, 37.4946**, and the grayscale version is **48.7599, 51.2992, 55.8649**.

A 20% lighter version of the original color is **59.5702, 82.3327, 79.0818**, and **22.7807, 41.0583, 21.4762** is the 20% darker color. If you saturate the color by 10%, you get **42.3899, 74.2996, 41.0680**, and if you desaturate by 10%, it is **48.4492, 77.1591, 53.2857**.

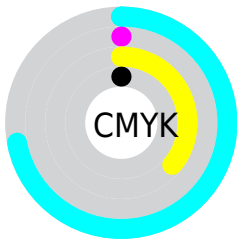
Distribution



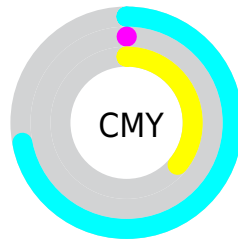
- Red (28%)
- Green (100%)
- Blue (64%)



- Red (28%)
- Yellow (76%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9694, 75.5039, 46.8539 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 44.9694, 75.5039, 46.8539 by changing the saturation by 10% instead.


 44.9694, 75.5039,
46.8539


 44.9694, 75.5039,
46.8539

357.4354,
479.6478, 390.6079


 31.6345, 56.0258,
32.5667


 81.9118, 127.0254,
86.8432

 21.2367, 40.2236,
21.5263


 106.2501,
159.8376, 113.3823

 13.4106, 27.7129,
13.3143


 134.9868,
197.8633, 144.8425

 7.7908, 18.1094,
7.5120

 168.4874,
241.4868, 181.6423

 4.0121, 11.0285,
3.7011

207.1172,
291.0927, 224.2001

 1.7090, 6.0860,
1.4628

251.2416,

 0.4619, 2.8975,

347.0652, 272.9347

0.1900

301.2259,
409.7887, 328.2644

■ 0.0000, 1.0784,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9694, 75.5039,
46.8539

■ 44.9694, 75.5039,
46.8539

■ 42.3899, 74.2996,
41.0680

■ 48.4492, 77.1591,
53.2857


■ 40.6001, 73.4894,
35.9014


■ 52.9181, 79.3105,
60.3809


■ 39.6235, 73.0654,
32.2647


■ 58.4557, 81.9988,
68.1607

■ 65.1326, 85.2600,
76.6440

 73.0130, 89.1269,
85.8491

 82.1564, 93.6298,
95.7934

 92.6179, 98.7970,
106.4936

 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.



53.9438, 75.5039, 24.9097



44.9694, 75.5039, 46.8539



42.6683, 75.5039, 90.4457

Triad

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



44.9694, 75.5039, 46.8539



74.5847, 75.5039, 224.5281



103.9165, 75.5039, 37.9866

Complementary

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



44.9694, 75.5039, 46.8539



50.1046, 28.4115, 37.4946

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.



111.7625, 75.5039, 74.4918



44.9694, 75.5039, 46.8539



93.1316, 75.5039, 192.6911

Square

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



44.9694, 75.5039, 46.8539



58.0297, 75.5039, 207.1067



107.5212, 75.5039, 131.9751



87.5109, 75.5039, 21.4828

Rectangle

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



44.9694, 75.5039, 46.8539



44.8383, 75.5039, 130.4718



107.5212, 75.5039, 131.9751



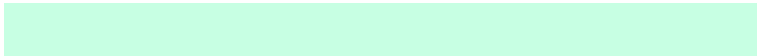
107.7560, 75.5039, 47.6146

Sweetspot

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



44.9700, 75.5042, 46.8552



73.1449, 89.1917, 85.9975



52.0023, 79.7618, 18.6168



15.1713, 18.8525, 17.8566



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.



44.9700, 75.5042, 46.8552



41.4318, 73.8617, 38.4888



56.4089, 80.0798, 107.0916



18.1504, 20.3197, 21.0948



20.7795, 38.2084, 17.2558



2.0783, 3.7423, 1.9704

Inverse Universe

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



50.1046, 28.4115, 37.4946



46.8278, 24.3720, 28.6517



44.6310, 26.2221, 8.6711



18.3882, 18.1386, 20.6613



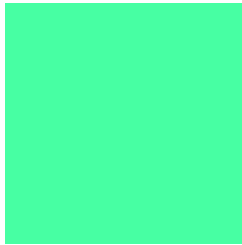
23.6429, 11.9464, 12.0358



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 44.9694, 75.5039, 46.8539 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 44.9694, 75.5039, 46.8539 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 44.9694, 75.5039, 46.8539

Background



This preview shows how black text looks on a background with the XYZ color 44.9694, 75.5039, 46.8539.

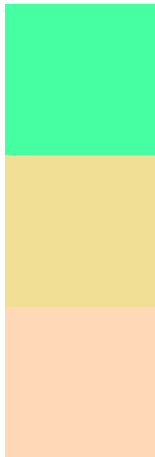


This preview shows how white text looks on a background with the XYZ color 44.9694, 75.5039,

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

44.9694, 75.5039, 46.8539

Protanopia

68.5106, 73.8546, 39.4986

Deuteranopia

74.3431, 73.7906, 55.1245



Tritanopia

60.4181, 74.8823, 105.8771

Trichromacy



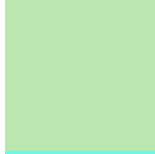
Original Color

44.9694, 75.5039, 46.8539



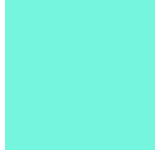
Protanomaly

54.4471, 71.4865, 41.9390



Deuteranomaly

56.8723, 70.4196, 51.6691



Tritanomaly

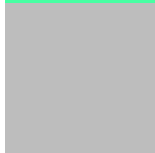
53.1733, 74.3606, 80.6578

Monochromacy



Original Color

44.9694, 75.5039, 46.8539



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

43.8865, 56.9948, 51.8680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9694, 75.5039, 46.8539 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(71, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 163)  
}
```

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(71, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 44.9694, 75.5039, 46.8539 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(71, 255, 163) }
```


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

```
.border{ border-color:rgb(71, 255, 163) }
```

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

Here you see how a box with a 4 pixel rgb(71, 255, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9694, 75.5039, 46.8539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 163) }
```

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

```
.background{ background-color: rgb(71, 255,  
163) }
```

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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