

Converting Colors

XYZ(43.6198, 74.9770, 39.1650)

Have a look what the booklet for
XYZ(43.6198, 74.9770, 39.1650)
contains.

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Color

**XYZ(43.6960, 75.0118,
39.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	49FF92
RGB	73, 255, 146
RGB Percent	29%, 100%, 57%
CMY	0.7137, 0.0000, 0.4274
CMYK	0.71, 0.00, 0.43, 0.00
HSL	144°, 100%, 64%
HSV	144°, 71%, 100%
XYZ	43.6960, 75.0118, 39.3698
YIQ	188.1560, -73.4830, -72.4830

Conversions

Conversions Part 2

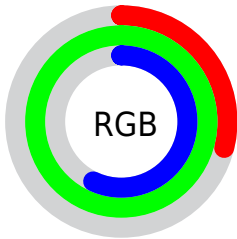
Format	Color
RYB	73, 203, 255
Decimal	4849554
CIELab	89.40, -68.41, 39.24
CIELCh	89, 78.862, 150.162
Yxy	75.0118, 0.2764, 0.4745
Android (android.graphics.Color)	4283039634 (0xFF49FF92)
YUV	188.1560, -20.7829, -100.9918
Hunter-Lab	86.6094, -61.5099, 33.6752

Details

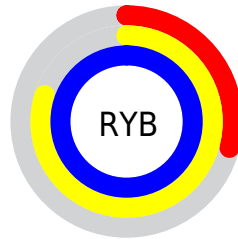
The XYZ color **43.6960, 75.0118, 39.3698** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **52.0664, 29.4031, 47.1877**, and the grayscale version is **48.0334, 50.5349, 55.0325**.

A 20% lighter version of the original color is **57.6303, 81.5767, 67.9668**, and **21.9866, 40.7407, 17.2946** is the 20% darker color. If you saturate the color by 10%, you get **41.0342, 73.7678, 33.4532**, and if you desaturate by 10%, it is **47.3089, 76.7277, 46.1619**.

Distribution



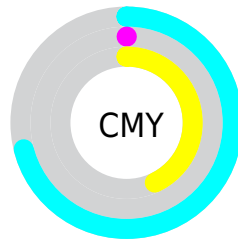
- Red (29%)
- Green (100%)
- Blue (57%)



- Red (29%)
- Yellow (80%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6960, 75.0118, 39.3698 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 43.6960, 75.0118, 39.3698 by changing the saturation by 10% instead.


 43.6960, 75.0118,
39.3698


 43.6960, 75.0118,
39.3698


352.3395,
477.9581, 358.9330


 30.6285, 55.6226,
26.7375


 80.0093, 126.3291,
75.4295


 20.4665, 39.9004,
17.1455


 103.9858,
159.0259, 99.6939

 12.8449, 27.4609,
10.1752

 132.3292,
196.9273, 128.6728

 7.3981, 17.9197,
5.4082

 165.4051,
240.4178, 162.7847

 3.7608, 10.8923,
2.4258

203.5787,
289.8818, 202.4481

 1.5677, 5.9945,
0.8004

247.2154,

 0.3712, 2.8417,

345.7035, 248.0816

0.0000

296.6805,
408.2675, 300.1037

■ 0.0000, 1.0497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6960, 75.0118,
39.3698

■ 43.6960, 75.0118,
39.3698

■ 41.0342, 73.7678,
33.4532

■ 47.3089, 76.7277,
46.1619

■ 39.2120, 72.9390,
28.3705


■ 51.9635, 78.9617,
53.8609


■ 38.1722, 72.4849,
24.6226


■ 57.7409, 81.7548,
62.5009

■ 64.7137, 85.1439,
72.1132

 72.9477, 89.1623,
82.7275

 82.5042, 93.8410,
94.3722

 93.4402, 99.2088,
107.0746

 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.



54.2213, 75.0118, 19.9195



43.6960, 75.0118, 39.3698



40.2401, 75.0118, 81.9753

Triad

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



43.6960, 75.0118, 39.3698



71.4012, 75.0118, 240.8290



108.4575, 75.0118, 39.0514

Complementary

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



43.6960, 75.0118, 39.3698



52.0664, 29.4031, 47.1877

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.



115.2430, 75.0118, 81.3756



43.6960, 75.0118, 39.3698



91.6257, 75.0118, 212.4235

Square

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



43.6960, 75.0118, 39.3698



54.3725, 75.0118, 212.9911



108.5960, 75.0118, 146.8282



91.4116, 75.0118, 19.8027

Rectangle

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



43.6960, 75.0118, 39.3698



41.8138, 75.0118, 124.0803



108.5960, 75.0118, 146.8282



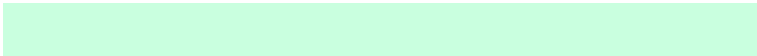
112.1380, 75.0118, 50.2338

Sweetspot

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



43.6965, 75.0120, 39.3710



73.2783, 89.3239, 83.1409



56.3018, 81.9707, 19.1586



15.1673, 18.8662, 17.1442



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.



43.6965, 75.0120, 39.3710



40.0938, 73.3364, 30.9989



53.7649, 79.0394, 92.3904



18.0734, 20.2889, 20.6896



20.0147, 37.9025, 13.2288



2.0010, 3.7113, 1.5632

Inverse Universe

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



52.0664, 29.4031, 47.1877



48.8404, 25.2951, 38.8861



45.5199, 26.7845, 12.7144



18.4661, 18.1698, 21.0718



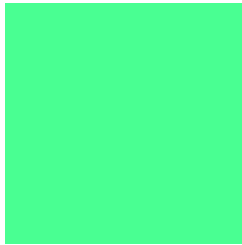
24.6168, 12.3360, 17.1647



2.4509, 1.2227, 1.9558

Previews

White Background



This preview shows how the XYZ color 43.6960, 75.0118, 39.3698 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 43.6960, 75.0118, 39.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

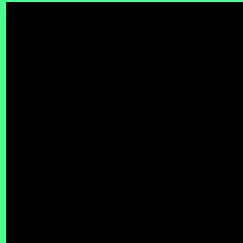
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.6960, 75.0118, 39.3698

Background



This preview shows how black text looks on a background with the XYZ color 43.6960, 75.0118, 39.3698.

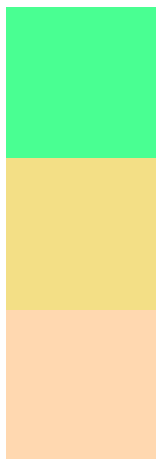


This preview shows how white text looks on a background with the XYZ color 43.6960, 75.0118,

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

43.6960, 75.0118, 39.3698

Protanopia

67.6529, 73.5513, 33.1854

Deuteranopia

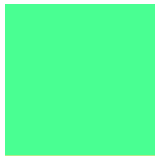
73.6323, 73.5063, 51.3816



Tritanopia

59.6090, 74.0318, 105.7556

Trichromacy



Original Color

43.6960, 75.0118, 39.3698



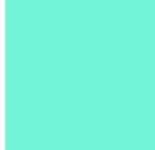
Protanomaly

53.3518, 71.0754, 34.9517



Deuteranomaly

56.0746, 70.1291, 46.1781



Tritanomaly

51.8189, 73.3207, 75.7111

Monochromacy



Original Color

43.6960, 75.0118, 39.3698



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.9404, 56.2151, 48.1226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6960, 75.0118, 39.3698 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(73, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 146)  
}
```

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(73, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 43.6960, 75.0118, 39.3698 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(73, 255, 146) }
```


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

```
.border{ border-color:rgb(73, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6960, 75.0118, 39.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 146) }
```

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

```
.background{ background-color: rgb(73, 255,  
146) }
```

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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