

# Converting Colors

XYZ(44.1190, 75.2126, 40.1703)

Have a look what the booklet for  
XYZ(44.1190, 75.2126, 40.1703)  
contains.

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# Color

**XYZ(44.1659, 75.2359,  
40.2112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFF94
RGB	77, 255, 148
RGB Percent	30%, 100%, 58%
CMY	0.6980, 0.0000, 0.4196
CMYK	0.70, 0.00, 0.42, 0.00
HSL	144°, 100%, 65%
HSV	144°, 70%, 100%
XYZ	44.1659, 75.2359, 40.2112
YIQ	189.5800, -71.7410, -71.0130

# Conversions

## Conversions Part 2

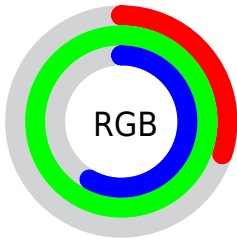
Format	Color
<a href="#">RYB</a>	<a href="#">77, 204, 255</a>
Decimal	<a href="#">5111700</a>
CIELab	<a href="#">89.50, -67.48, 38.41</a>
CIELCh	<a href="#">90, 77.647, 150.351</a>
Yxy	<a href="#">75.2359, 0.2767, 0.4714</a>
Android (android.graphics.Color)	<a href="#">4283301780 (0xFF4DFF94)</a>
YUV	<a href="#">189.5800, -20.4989, -98.7327</a>
Hunter-Lab	<a href="#">86.7386, -60.9033, 33.2308</a>

# Details

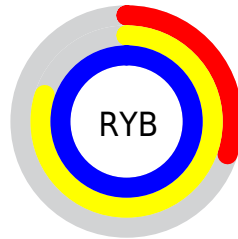
The XYZ color **44.1659, 75.2359, 40.2112** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **52.5459, 30.0290, 48.3745**, and the grayscale version is **48.8459, 51.3897, 55.9634**.

A 20% lighter version of the original color is **58.3936, 81.9428, 69.2388**, and **22.0776, 40.7770, 17.7735** is the 20% darker color. If you saturate the color by 10%, you get **41.3619, 73.9214, 34.1608**, and if you desaturate by 10%, it is **47.9374, 77.0305, 47.1481**.

# Distribution



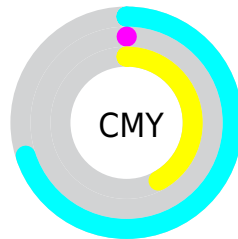
- Red (30%)
- Green (100%)
- Blue (58%)



- Red (30%)
- Yellow (80%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1659, 75.2359, 40.2112 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 44.1659, 75.2359, 40.2112 by changing the saturation by 10% instead.





 44.1659, 75.2359,  
40.2112


 44.1659, 75.2359,  
40.2112


354.2256,  
478.7280, 362.5915


 30.9994, 55.8062,  
27.3882


 80.7121, 126.6462,  
76.7256


 20.7502, 40.0475,  
17.6300


 104.8226,  
159.3956, 101.2541

 13.0530, 27.5756,  
10.5180


 133.3118,  
197.3537, 130.5216

 7.5423, 18.0060,  
5.6337

 166.5450,  
240.9048, 164.9465

 3.8528, 10.9543,  
2.5585

204.8876,  
290.4334, 204.9474

 1.6192, 6.0361,  
0.8709

248.7050,

 0.4049, 2.8670,

346.3239, 250.9428

0.0000

298.3626,  
408.9606, 303.3513

0.0000, 1.0627,  
0.0000

0.0000, 0.0000,  
0.0000

44.1659, 75.2359,  
40.2112

44.1659, 75.2359,  
40.2112

41.3619, 73.9214,  
34.1608

47.9374, 77.0305,  
47.1481

39.4174, 73.0322,  
28.9556

52.7650, 79.3504,  
55.0030

38.1654, 72.4829,  
24.5540

58.7285, 82.2360,  
63.8101

38.1441, 72.4737,  
24.4747

65.8992, 85.7233,  
73.6007

■ 74.3425, 89.8456,  
84.4047

■ 84.1187, 94.6334,  
96.2506

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.



54.5517, 75.2359, 20.6441



44.1659, 75.2359, 40.2112



40.7787, 75.2359, 82.5632

# Triad

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



44.1659, 75.2359, 40.2112



71.7340, 75.2359, 237.9706



108.0050, 75.2359, 39.5228

# Complementary

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



44.1659, 75.2359, 40.2112



52.5459, 30.0290, 48.3745

# 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.



114.7483, 75.2359, 81.2784



44.1659, 75.2359, 40.2112



91.6609, 75.2359, 209.8869

# Square

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



44.1659, 75.2359, 40.2112



54.8767, 75.2359, 211.0920



108.3006, 75.2359, 145.5436



91.2033, 75.2359, 20.3889



# Rectangle

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



44.1659, 75.2359, 40.2112



42.3708, 75.2359, 124.0852



108.3006, 75.2359, 145.5436



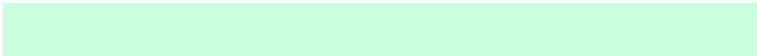
111.6439, 75.2359, 50.5845

# Sweetspot

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



44.1664, 75.2361, 40.2125



73.2622, 89.3174, 83.0565



57.5365, 82.5914, 19.9311



15.1635, 18.8647, 17.1243



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

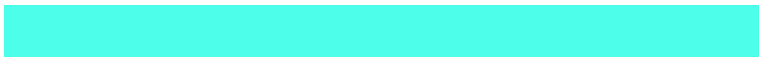
The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.1664, 75.2361, 40.2125



40.4479, 73.4999, 31.8751



53.7058, 79.0519, 90.4461



18.0717, 20.2882, 20.6806



19.9998, 37.8965, 13.1504



1.9995, 3.7107, 1.5550



# Inverse Universe

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



52.5459, 30.0290, 48.3745



49.2401, 25.7177, 40.1810



46.0879, 27.4458, 14.3669



18.4679, 18.1705, 21.0811



24.6412, 12.3458, 17.2930

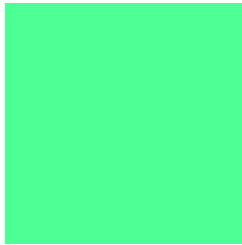


2.4532, 1.2236, 1.9679



# Previews

## White Background



This preview shows how the XYZ color 44.1659, 75.2359, 40.2112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

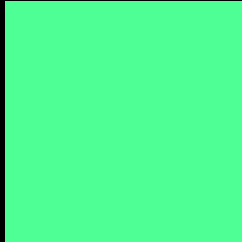
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1659, 75.2359, 40.2112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

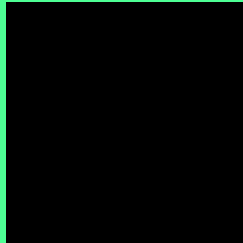
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

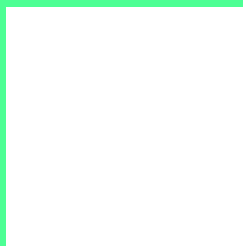
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.1659, 75.2359, 40.2112**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1659, 75.2359, 40.2112.



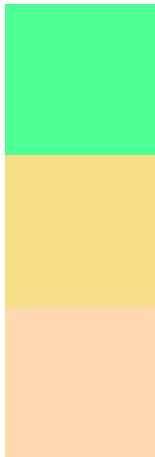
This preview shows how white text looks on a background with the XYZ color 44.1659, 75.2359,



# 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

44.1659, 75.2359, 40.2112

### Protanopia

68.1398, 73.7860, 33.9433

### Deuteranopia

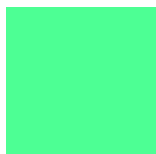
73.7317, 73.5461, 51.9047



## Tritanopia

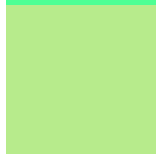
60.2442, 74.7926, 105.8690

# Trichromacy



## Original Color

44.1659, 75.2359, 40.2112



## Protanomaly

53.9704, 71.3774, 35.7436



## Deuteranomaly

56.4150, 70.2940, 46.6711



## Tritanomaly

52.6548, 74.1846, 76.5096

# Monochromacy



## Original Color

44.1659, 75.2359, 40.2112



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

44.1789, 57.5778, 49.3426

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1659, 75.2359, 40.2112 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1659, 75.2359, 40.2112 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, 148) }
```



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

```
.border{ border-color:rgb(77, 255, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1659, 75.2359, 40.2112 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, 148) }
```

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

```
.background{ background-color: rgb(77, 255,  
148) }
```

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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