

Converting Colors

XYZ(44.8667, 75.5116, 44.1106)

Have a look what the booklet for
XYZ(44.8667, 75.5116, 44.1106)
contains.

| | |
|--|----|
| XYZ(44.9064, 75.5321, 44.1106) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(44.9064, 75.5321,
44.1106)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4DFF9D |
| RGB | 77, 255, 157 |
| RGB Percent | 30%, 100%, 62% |
| CMY | 0.6980, 0.0000, 0.3843 |
| CMYK | 0.70, 0.00, 0.38, 0.00 |
| HSL | 147°, 100%, 65% |
| HSV | 147°, 70%, 100% |
| XYZ | 44.9064, 75.5321, 44.1106 |
| YIQ | 190.6060, -74.6300, -68.2140 |

Conversions

Conversions Part 2

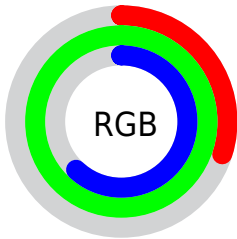
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 77, 200, 255 |
| Decimal | 5111709 |
| CIELab | 89.64, -65.92, 34.15 |
| CIELCh | 90, 74.246, 152.613 |
| Yxy | 75.5321, 0.2729, 0.4590 |
| Android (android.graphics.Color) | 4283301789 (0xFF4DFF9D) |
| YUV | 190.6060, -16.5678, -99.6325 |
| Hunter-Lab | 86.9092, -59.8593, 30.7439 |

Details

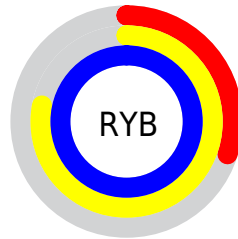
The XYZ color **44.9064, 75.5321, 44.1106** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **51.6322, 29.6636, 43.5626**, and the grayscale version is **49.4173, 51.9908, 56.6180**.

A 20% lighter version of the original color is **59.4977, 82.3845, 75.0533**, and **22.5161, 40.9524, 20.0825** is the 20% darker color. If you saturate the color by 10%, you get **42.1059, 74.2190, 38.0786**, and if you desaturate by 10%, it is **48.6515, 77.3162, 50.9084**.

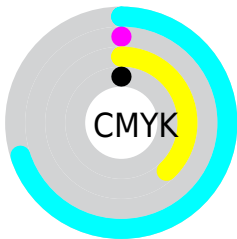
Distribution



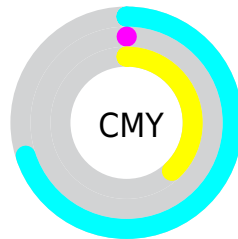
- Red (30%)
- Green (100%)
- Blue (62%)



- Red (30%)
- Yellow (78%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9064, 75.5321, 44.1106 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 44.9064, 75.5321, 44.1106 by changing the saturation by 10% instead.


 44.9064, 75.5321,
44.1106


 44.9064, 75.5321,
44.1106


357.1844,
479.7445, 379.2140

 31.5847, 56.0489,
30.4196


 81.8179, 127.0653,
82.6884


 21.1985, 40.2421,
19.9026


 106.1383,
159.8841, 108.4123

 13.3824, 27.7274,
12.1409


 134.8557,
197.9169, 138.9843

 7.7712, 18.1203,
6.7160

 168.3354,
241.5480, 174.8228

 3.9995, 11.0364,
3.2094

206.9428,
291.1620, 216.3466

 1.7018, 6.0913,
1.2025

251.0432,

 0.4574, 2.9007,

347.1431, 263.9740

0.0000

301.0019,
409.8758, 318.1236

■ 0.0000, 1.0801,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9064, 75.5321,
44.1106

■ 44.9064, 75.5321,
44.1106

■ 42.1059, 74.2190,
38.0786

■ 48.6515, 77.3162,
50.9084

■ 40.1435, 73.3226,
32.7794


■ 53.4283, 79.6157,
58.4953


■ 38.8542, 72.7584,
28.1809

■ 59.3151, 82.4706,
66.8984

■ 38.8320, 72.7488,
28.0967

■ 66.3819, 85.9164,
76.1420

 74.6929, 89.9858,
86.2495

 84.3073, 94.7088,
97.2430

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.



54.4789, 75.5321, 23.2848



44.9064, 75.5321, 44.1106



42.1142, 75.5321, 86.9118

Triad

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



44.9064, 75.5321, 44.1106



73.4037, 75.5321, 229.1742



105.6200, 75.5321, 39.0737

Complementary

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



44.9064, 75.5321, 44.1106



51.6322, 29.6636, 43.5626

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.



112.8958, 75.5321, 77.7418



44.9064, 75.5321, 44.1106



92.4295, 75.5321, 199.3746

Square

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



44.9064, 75.5321, 44.1106



56.8183, 75.5321, 207.7628



107.7042, 75.5321, 137.7226



89.1869, 75.5321, 21.3635

Rectangle

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



44.9064, 75.5321, 44.1106



44.0081, 75.5321, 127.2893



107.7042, 75.5321, 137.7226



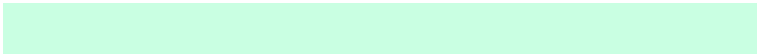
109.3327, 75.5321, 49.3158

Sweetspot

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



44.9069, 75.5324, 44.1119



73.6299, 89.4645, 84.9926



55.4296, 81.5053, 19.8326



15.2504, 18.8994, 17.5820



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.



44.9069, 75.5324, 44.1119



41.1869, 73.7955, 35.7665



55.0188, 79.5771, 97.3600



18.1109, 20.3039, 20.8870



20.3633, 38.0419, 15.0643



2.0368, 3.7257, 1.7517

Inverse Universe

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



51.6322, 29.6636, 43.5626



48.2606, 25.3259, 35.0229



45.6919, 27.2874, 12.2815



18.4279, 18.1545, 20.8705



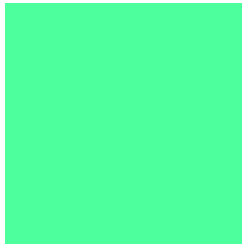
24.1138, 12.1348, 14.5154



2.4030, 1.2036, 1.7034

Previews

White Background



This preview shows how the XYZ color 44.9064, 75.5321, 44.1106 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 44.9064, 75.5321, 44.1106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

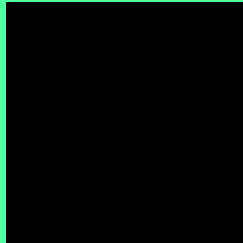
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.9064, 75.5321, 44.1106

Background



This preview shows how black text looks on a background with the XYZ color 44.9064, 75.5321, 44.1106.

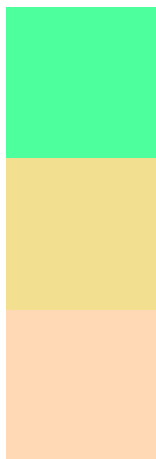


This preview shows how white text looks on a background with the XYZ color 44.9064, 75.5321,

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

44.9064, 75.5321, 44.1106

Protanopia

68.3839, 73.8437, 37.0346

Deuteranopia

74.1364, 73.7079, 54.0357



Tritanopia

60.5936, 74.9727, 105.8853

Trichromacy



Original Color

44.9064, 75.5321, 44.1106



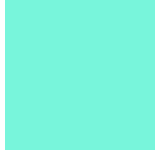
Protanomaly

54.6616, 71.6539, 39.3834



Deuteranomaly

56.9784, 70.5193, 49.6382



Tritanomaly

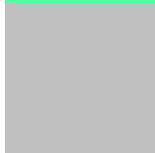
53.1843, 74.4124, 78.5777

Monochromacy



Original Color

44.9064, 75.5321, 44.1106



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

44.7609, 57.8318, 51.4513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9064, 75.5321, 44.1106 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 44.9064, 75.5321, 44.1106 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, 157) }
```


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

```
.border{ border-color:rgb(77, 255, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9064, 75.5321, 44.1106 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, 157) }
```

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

```
.background{ background-color: rgb(77, 255,  
157) }
```

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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