

Converting Colors

XYZ(44.8874, 75.2549, 52.6199)

Have a look what the booklet for
XYZ(44.8874, 75.2549, 52.6199)
contains.

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Color

**XYZ(44.9661, 75.3720,
52.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	35FFAF
RGB	53, 255, 175
RGB Percent	21%, 100%, 69%
CMY	0.7921, 0.0000, 0.3137
CMYK	0.79, 0.00, 0.31, 0.00
HSL	156°, 100%, 60%
HSV	156°, 79%, 100%
XYZ	44.9661, 75.3720, 52.7357
YIQ	185.4820, -94.7120, -67.7040

Conversions

Conversions Part 2

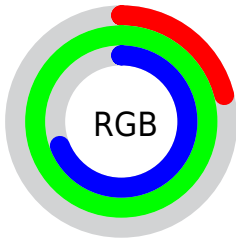
Format	Color
RYB	53, 179, 255
Decimal	3538863
CIELab	89.57, -65.43, 24.95
CIELCh	90, 70.025, 159.129
Yxy	75.3720, 0.2598, 0.4355
Android (android.graphics.Color)	4281728943 (0xFF35FFAF)
YUV	185.4820, -5.1676, -116.1867
Hunter-Lab	86.8170, -59.4774, 24.7571

Details

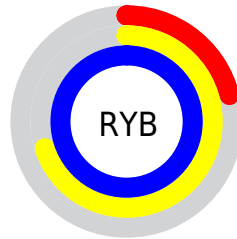
The XYZ color **44.9661, 75.3720, 52.7357** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.7476, 25.5007, 24.6510**, and the grayscale version is **46.4495, 48.8685, 53.2178**.

A 20% lighter version of the original color is **59.5439, 82.1148, 88.3128**, and **23.4791, 41.3376, 25.1538** is the 20% darker color. If you saturate the color by 10%, you get **43.0083, 74.4731, 47.6591**, and if you desaturate by 10%, it is **47.7114, 76.6684, 58.2390**.

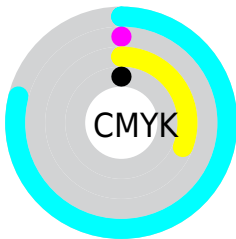
Distribution



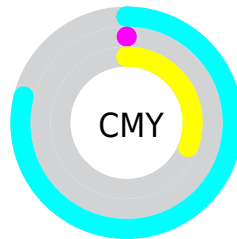
- Red (21%)
- Green (100%)
- Blue (69%)



- Red (21%)
- Yellow (70%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9661, 75.3720, 52.7357 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 44.9661, 75.3720, 52.7357 by changing the saturation by 10% instead.


 44.9661, 75.3720,
52.7357


 44.9661, 75.3720,
52.7357


357.4223,
479.1952, 414.3078


 31.6319, 55.9177,
37.2055


 81.9069, 126.8388,
95.6529

 21.2347, 40.1369,
25.0696


 106.2442,
159.6201, 123.8771

 13.4091, 27.6453,
15.9095


 134.9800,
197.6125, 157.1697

 7.7898, 18.0585,
9.3064

 168.4795,
241.2004, 195.9492

 4.0114, 10.9920,
4.8421

207.1081,
290.7683, 240.6343

 1.7086, 6.0614,
2.0978

251.2312,

 0.4616, 2.8825,

346.7004, 291.6433

0.6144

301.2141,
409.3813, 349.3950

■ 0.0000, 1.0707,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9661, 75.3720,
52.7357

■ 44.9661, 75.3720,
52.7357

■ 43.0083, 74.4731,
47.6591

■ 47.7114, 76.6684,
58.2390

■ 41.6851, 73.8929,
42.9899

■ 51.3430, 78.4128,
64.1780

■ 41.5934, 73.8534,
42.6385

■ 55.9465, 80.6494,
70.5658

■ 61.5964, 83.4163,
77.4136

■ 68.3598, 86.7480,
84.7321

■ 76.2980, 90.6759,
92.5314

■ 85.4675, 95.2290,
100.8212

■ 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.



52.7285, 75.3720, 28.3374



44.9661, 75.3720, 52.7357



43.6945, 75.3720, 98.0312

Triad

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



44.9661, 75.3720, 52.7357



77.0153, 75.3720, 215.6097



100.4795, 75.3720, 35.6306

Complementary

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



44.9661, 75.3720, 52.7357



46.7476, 25.5007, 24.6510

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.



109.5063, 75.3720, 67.9379



44.9661, 75.3720, 52.7357



94.6030, 75.3720, 179.6546

Square

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



44.9661, 75.3720, 52.7357



60.4900, 75.3720, 206.2008



107.1989, 75.3720, 120.6496



84.0796, 75.3720, 21.5658

Rectangle

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



44.9661, 75.3720, 52.7357



46.4579, 75.3720, 137.3487



107.1989, 75.3720, 120.6496



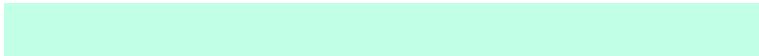
104.5872, 75.3720, 44.0555

Sweetspot

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



44.9668, 75.3724, 52.7370



72.3470, 88.7190, 88.7366



46.2033, 76.8295, 15.7637



14.8944, 18.6973, 18.4043



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.



44.9668, 75.3724, 52.7370



42.1854, 74.1089, 44.9083



49.1700, 67.2798, 105.0025



18.2323, 20.3525, 21.5265



21.8091, 38.6202, 22.6778



2.1773, 3.7819, 2.4917

Inverse Universe

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



46.7476, 25.5007, 24.6510



44.1245, 22.6390, 16.4254



44.2791, 26.3096, 6.1137



18.3073, 18.1062, 20.2355



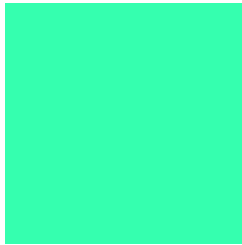
22.8444, 11.6271, 7.8311



2.2763, 1.1529, 1.0363

Previews

White Background



This preview shows how the XYZ color 44.9661, 75.3720, 52.7357 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 44.9661, 75.3720, 52.7357 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

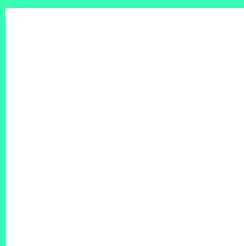
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9661, 75.3720, 52.7357

Background



This preview shows how black text looks on a background with the XYZ color 44.9661, 75.3720, 52.7357.

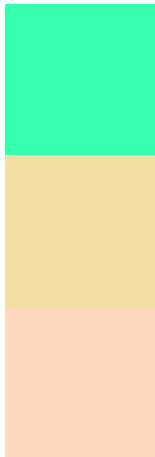


This preview shows how white text looks on a background with the XYZ color 44.9661, 75.3720, 52.7357.

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

44.9661, 75.3720, 52.7357

Protanopia

68.7559, 73.8738, 44.3535

Deuteranopia

74.6175, 73.4917, 57.8295



Tritanopia

59.7317, 74.5285, 105.8450

Trichromacy



Original Color

44.9661, 75.3720, 52.7357



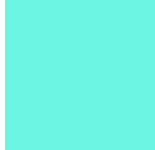
Protanomaly

53.6045, 70.9405, 46.9440



Deuteranomaly

56.1355, 69.9576, 55.3443



Tritanomaly

52.5642, 73.9839, 83.4614

Monochromacy



Original Color

44.9661, 75.3720, 52.7357



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.7036, 54.7477, 52.0854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9661, 75.3720, 52.7357 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(53, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 175)  
}
```

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(53, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 44.9661, 75.3720, 52.7357 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(53, 255, 175) }
```


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

```
.border{ border-color:rgb(53, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9661, 75.3720, 52.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 175) }
```

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

```
.background{ background-color: rgb(53, 255,  
175) }
```

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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