

Converting Colors

XYZ(44.5358, 75.1880, 51.0072)

Have a look what the booklet for
XYZ(44.5358, 75.1880, 51.0072)
contains.

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Color

**XYZ(44.5716, 75.2024,
51.1961)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFAC
RGB	51, 255, 172
RGB Percent	20%, 100%, 67%
CMY	0.8000, 0.0000, 0.3255
CMYK	0.80, 0.00, 0.33, 0.00
HSL	156°, 100%, 60%
HSV	156°, 80%, 100%
XYZ	44.5716, 75.2024, 51.1961
YIQ	184.5420, -94.9410, -69.0610

Conversions

Conversions Part 2

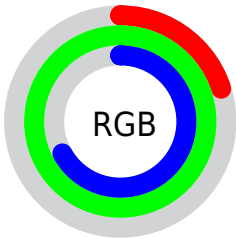
Format	Color
RYB	51, 179, 255
Decimal	3407788
CIELab	89.49, -66.23, 26.35
CIELCh	89, 71.282, 158.302
Yxy	75.2024, 0.2607, 0.4399
Android (android.graphics.Color)	4281597868 (0xFF33FFAC)
YUV	184.5420, -6.1832, -117.1163
Hunter-Lab	86.7193, -60.0142, 25.7007

Details

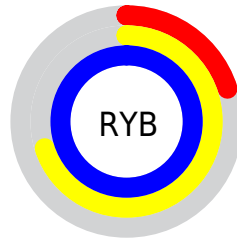
The XYZ color **44.5716, 75.2024, 51.1961** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.7274, 25.3495, 24.9857**, and the grayscale version is **45.9314, 48.3234, 52.6242**.

A 20% lighter version of the original color is **58.9695, 81.8673, 86.0927**, and **23.2960, 41.2644, 24.1898** is the 20% darker color. If you saturate the color by 10%, you get **42.6620, 74.3286, 46.1074**, and if you desaturate by 10%, it is **47.2634, 76.4703, 56.7300**.

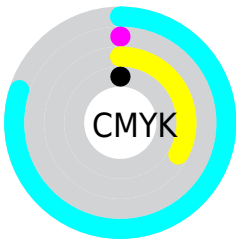
Distribution



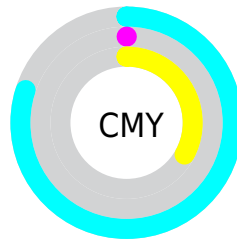
- Red (20%)
- Green (100%)
- Blue (67%)



- Red (20%)
- Yellow (70%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5716, 75.2024, 51.1961 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 44.5716, 75.2024, 51.1961 by changing the saturation by 10% instead.


 44.5716, 75.2024,
51.1961


 44.5716, 75.2024,
51.1961


355.8487,
478.6130, 408.1935


 31.3200, 55.7787,
35.9869


 81.3182, 126.5988,
93.3590


 20.9956, 40.0255,
24.1345


 105.5439,
159.3404, 121.1499

 13.2333, 27.5585,
15.2203


 134.1583,
197.2900, 153.9716

 7.6675, 17.9931,
8.8258

 167.5268,
240.8321, 192.2428

 3.9329, 10.9450,
4.5325

206.0147,
290.3510, 236.3821

 1.6643, 6.0299,
1.9218

249.9874,

 0.4337, 2.8633,

346.2312, 286.8080

0.5065

299.8103,
408.8571, 343.9389

■ 0.0000, 1.0608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5716, 75.2024,
51.1961

■ 44.5716, 75.2024,
51.1961

■ 42.6620, 74.3286,
46.1074

■ 47.2634, 76.4703,
56.7300

■ 41.3665, 73.7626,
41.4432

■ 50.8382, 78.1844,
62.7191

■ 41.3663, 73.7625,
41.4421

■ 55.3827, 80.3889,
69.1773

■ 60.9722, 83.1226,
76.1164

■ 67.6744, 86.4201,
83.5479

■ 75.5511, 90.3133,
91.4825

■ 84.6594, 94.8312,
99.9306

■ 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.



52.6008, 75.2024, 27.1845



44.5716, 75.2024, 51.1961



43.1065, 75.2024, 96.5848

Triad

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



44.5716, 75.2024, 51.1961



76.4421, 75.2024, 218.8729



101.2375, 75.2024, 35.5322

Complementary

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



44.5716, 75.2024, 51.1961



46.7274, 25.3495, 24.9857

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.



110.1694, 75.2024, 68.7537



44.5716, 75.2024, 51.1961



94.4035, 75.2024, 183.0565

Square

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



44.5716, 75.2024, 51.1961



59.7553, 75.2024, 207.8665



107.4832, 75.2024, 122.8849



84.6408, 75.2024, 21.0495

Rectangle

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



44.5716, 75.2024, 51.1961



45.7767, 75.2024, 136.5356



107.4832, 75.2024, 122.8849



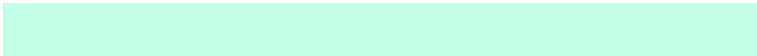
105.3495, 75.2024, 44.1933

Sweetspot

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



44.5722, 75.2026, 51.1974



72.2538, 88.6817, 88.2457



46.5116, 76.9936, 15.5425



14.8719, 18.6883, 18.2861



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.



44.5722, 75.2026, 51.1974



41.8377, 73.9658, 43.2586



49.9902, 69.0733, 105.3055



18.2238, 20.3490, 21.4813



21.6907, 38.5729, 22.0544



2.1662, 3.7774, 2.4328

Inverse Universe

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



46.7274, 25.3495, 24.9857



44.1543, 22.6029, 16.7304



43.9051, 25.6340, 5.7665



18.3157, 18.1096, 20.2796



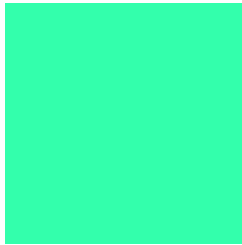
22.9172, 11.6562, 8.2145



2.2839, 1.1559, 1.0764

Previews

White Background



This preview shows how the XYZ color 44.5716, 75.2024, 51.1961 looks on a white background.

Color Contrast Check

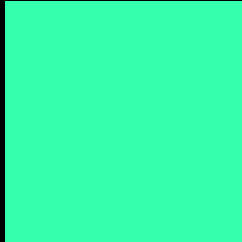
Large Text (above 18pt) WCAG AA × Fail

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 44.5716, 75.2024, 51.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

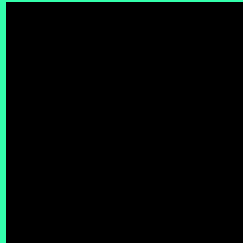
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.5716, 75.2024, 51.1961

Background



This preview shows how black text looks on a background with the XYZ color 44.5716, 75.2024, 51.1961.



This preview shows how white text looks on a background with the XYZ color 44.5716, 75.2024,

Color Blindness Simulation

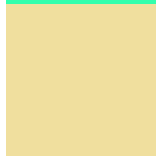
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.5716, 75.2024, 51.1961



Protanopia

68.4944, 73.7692, 42.9766



Deuteranopia

74.4034, 73.4060, 56.7017



Tritanopia

59.5640, 74.4420, 105.8371

Trichromacy



Original Color

44.5716, 75.2024, 51.1961



Protanomaly

53.1138, 70.7189, 45.5011



Deuteranomaly

55.6934, 69.7536, 54.2445



Tritanomaly

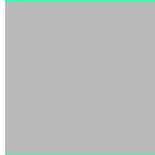
52.3064, 73.8669, 82.7351

Monochromacy



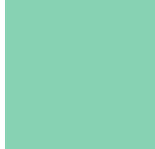
Original Color

44.5716, 75.2024, 51.1961



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.4382, 54.6227, 51.5392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5716, 75.2024, 51.1961 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(51, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 172)  
}
```

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(51, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 44.5716, 75.2024, 51.1961 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(51, 255, 172) }
```


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

```
.border{ border-color:rgb(51, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5716, 75.2024, 51.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 172) }
```

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

```
.background{ background-color: rgb(51, 255,  
172) }
```

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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