

Converting Colors

XYZ(42.8870, 74.4278, 46.8765)

Have a look what the booklet for
XYZ(42.8870, 74.4278, 46.8765)
contains.

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Color

**XYZ(42.8776, 74.4256,
46.7560)**

Conversions

Conversions Part 1

Format	Color
Hex	1DFFA3
RGB	29, 255, 163
RGB Percent	11%, 100%, 64%
CMY	0.8862, 0.0000, 0.3608
CMYK	0.89, 0.00, 0.36, 0.00
HSL	156°, 100%, 56%
HSV	156°, 89%, 100%
XYZ	42.8776, 74.4256, 46.7560
YIQ	176.9380, -105.1640, -76.5240

Conversions

Conversions Part 2

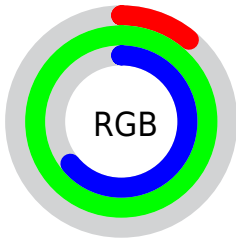
Format	Color
RYB	29, 171, 255
Decimal	1965987
CIELab	89.12, -69.65, 30.36
CIELCh	89, 75.974, 156.447
Yxy	74.4256, 0.2614, 0.4537
Android (android.graphics.Color)	4280156067 (0xFF1DFFA3)
YUV	176.9380, -6.8714, -129.7416
Hunter-Lab	86.2703, -62.2558, 28.2557

Details

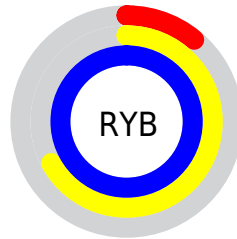
The XYZ color **42.8776, 74.4256, 46.7560** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.1316, 23.5201, 20.2538**, and the grayscale version is **41.8337, 44.0123, 47.9294**.

A 20% lighter version of the original color is **56.3000, 80.6469, 78.9288**, and **22.7807, 41.0583, 21.4762** is the 20% darker color. If you saturate the color by 10%, you get **41.5225, 73.8301, 42.0356**, and if you desaturate by 10%, it is **44.8890, 75.3506, 51.9082**.

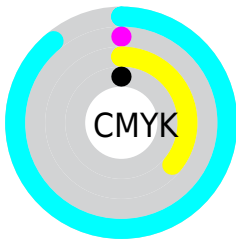
Distribution



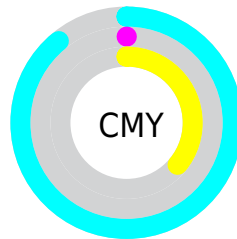
- Red (11%)
- Green (100%)
- Blue (64%)



- Red (11%)
- Yellow (67%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8776, 74.4256, 46.7560 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 42.8776, 74.4256, 46.7560 by changing the saturation by 10% instead.


 42.8776, 74.4256,
46.7560


 42.8776, 74.4256,
46.7560


349.0382,
475.9410, 390.2053


 29.9832, 55.1424,
32.4898


 78.7830, 125.4989,
86.6955


 19.9738, 39.5158,
21.4680


 102.5247,
158.0579, 113.2058


 12.4842, 27.1612,
13.2720


 130.6128,
195.8110, 144.6347

 7.1489, 17.6943,
7.4832

 163.4128,
239.1425, 181.4006

 3.6025, 10.7308,
3.6831

 201.2900,
288.4368, 223.9221

 1.4798, 5.8861,
1.4531

244.6097,

 0.3120, 2.7759,

344.0784, 272.6176

0.1826

293.7373,
406.4517, 327.9059

■ 0.0000, 1.0159,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8776, 74.4256,
46.7560

■ 42.8776, 74.4256,
46.7560

■ 41.5225, 73.8301,
42.0356


■ 44.8890, 75.3506,
51.9082


■ 41.3615, 73.7606,
41.4170


■ 47.6964, 76.6769,
57.5042


■ 51.4001, 78.4560,
63.5589

■ 56.0845, 80.7313,
70.0848

 61.8237, 83.5408,
77.0938

 68.6845, 86.9187,
84.5971

 76.7281, 90.8964,
92.6054

 86.0108, 95.5028,
101.1292

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.



51.6360, 74.4256, 23.5971



42.8776, 74.4256, 46.7560



40.9455, 74.4256, 93.0270

Triad

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



42.8776, 74.4256, 46.7560



74.8106, 74.4256, 230.3321



103.3961, 74.4256, 34.3208

Complementary

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



42.8776, 74.4256, 46.7560



45.1316, 23.5201, 20.2538

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.



112.3149, 74.4256, 70.1239



42.8776, 74.4256, 46.7560



94.0540, 74.4256, 193.7571

Square

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



42.8776, 74.4256, 46.7560



57.4522, 74.4256, 214.9468



108.6280, 74.4256, 128.9590



85.9317, 74.4256, 18.9184

Rectangle

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



42.8776, 74.4256, 46.7560



43.4240, 74.4256, 135.4238



108.6280, 74.4256, 128.9590



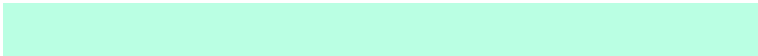
107.6200, 74.4256, 43.5963

Sweetspot

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



42.8782, 74.4258, 46.7573



69.9074, 87.5224, 85.8616



44.1753, 75.8326, 13.4722



14.4199, 18.4653, 17.8115



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.



42.8782, 74.4258, 46.7573



41.3615, 73.7606, 41.4170



48.6009, 67.5690, 105.0883



18.2236, 20.3490, 21.4803



21.6882, 38.5719, 22.0412



2.1659, 3.7773, 2.4316

Inverse Universe

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



45.1316, 23.5201, 20.2538



43.7290, 22.2556, 15.0368



42.5126, 23.4501, 3.4489



18.3159, 18.1097, 20.2805



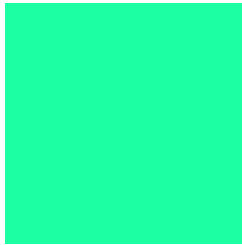
22.9188, 11.6568, 8.2228



2.2840, 1.1560, 1.0772

Previews

White Background



This preview shows how the XYZ color 42.8776, 74.4256, 46.7560 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 42.8776, 74.4256, 46.7560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

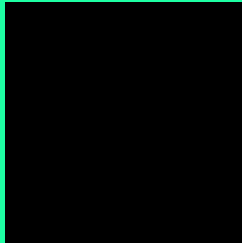
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

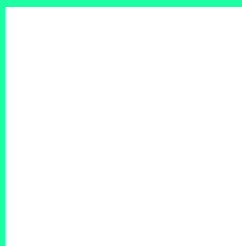
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8776, 74.4256, 46.7560

Background



This preview shows how black text looks on a background with the XYZ color 42.8776, 74.4256, 46.7560.

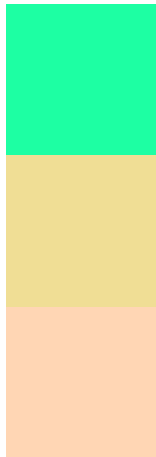


This preview shows how white text looks on a background with the XYZ color 42.8776, 74.4256,

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

42.8776, 74.4256, 46.7560

Protanopia

67.4813, 72.9377, 38.9555

Deuteranopia

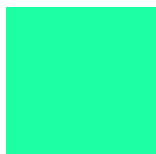
73.5248, 72.6484, 53.3274



Tritanopia

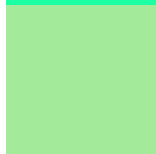
58.4322, 73.8585, 105.7842

Trichromacy



Original Color

42.8776, 74.4256, 46.7560



Protanomaly

50.3598, 68.9653, 41.2292



Deuteranomaly

52.8929, 67.9789, 50.3779



Tritanomaly

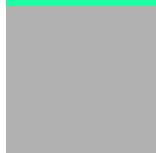
50.5565, 73.0116, 80.5353

Monochromacy



Original Color

42.8776, 74.4256, 46.7560



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.4461, 50.8522, 46.8716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8776, 74.4256, 46.7560 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(29, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(29, 255, 163)  
}
```

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(29, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.8776, 74.4256, 46.7560 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(29, 255, 163) }
```


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

```
.border{ border-color:rgb(29, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(29, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8776, 74.4256, 46.7560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 255, 163) }
```

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

```
.background{ background-color: rgb(29, 255,  
163) }
```

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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