

Converting Colors

XYZ(46.2002, 70.5086, 46.4283)

Have a look what the booklet for
XYZ(46.2002, 70.5086, 46.4283)
contains.

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Color

**XYZ(46.2226, 70.6331,
46.3193)**

Conversions

Conversions Part 1

Format	Color
Hex	76F3A4
RGB	118, 243, 164
RGB Percent	46%, 95%, 64%
CMY	0.5372, 0.0470, 0.3569
CMYK	0.51, 0.00, 0.33, 0.05
HSL	142°, 84%, 71%
HSV	142°, 51%, 95%
XYZ	46.2226, 70.6331, 46.3193
YIQ	196.6190, -49.1410, -51.0690

Conversions

Conversions Part 2

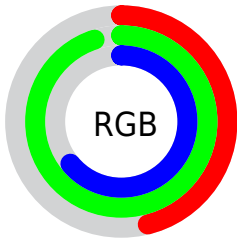
Format	Color
RYB	118, 209, 243
Decimal	7795620
CIELab	87.31, -52.09, 27.70
CIELCh	87, 58.997, 152.000
Yxy	70.6331, 0.2833, 0.4329
Android (android.graphics.Color)	4285985700 (0xFF76F3A4)
YUV	196.6190, -16.0812, -68.9489
Hunter-Lab	84.0435, -48.9039, 26.1537

Details

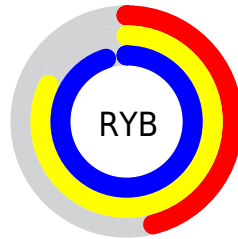
The XYZ color **46.2226, 70.6331, 46.3193** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.5208, 36.0441, 56.9620**, and the grayscale version is **52.9577, 55.7156, 60.6743**.

A 20% lighter version of the original color is **66.6776, 85.9816, 80.0997**, and **22.0591, 37.0999, 21.3276** is the 20% darker color. If you saturate the color by 10%, you get **42.0339, 68.6264, 39.3160**, and if you desaturate by 10%, it is **51.4324, 73.1507, 54.2479**.

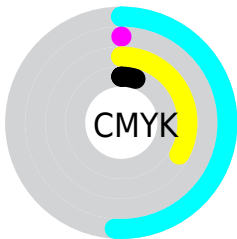
Distribution



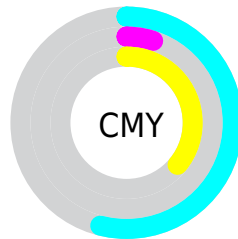
- Red (46%)
- Green (95%)
- Blue (64%)



- Red (46%)
- Yellow (82%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)





- Cyan (54%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2226, 70.6331, 46.3193 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 46.2226, 70.6331, 46.3193 by changing the saturation by 10% instead.


 46.2226, 70.6331,
46.3193


 46.2226, 70.6331,
46.3193


362.4038,
462.7698, 388.4057


 32.6269, 52.0428,
32.1474


 83.7779, 120.1112,
86.0360

 21.9986, 37.0392,
21.2083


 108.4681,
151.7677, 112.4178

 13.9725, 25.2379,
13.0837

 137.5873,
188.5485, 143.7067

 8.1831, 16.2544,
7.3548

171.5007,
230.8380, 180.3211

 4.2651, 9.7043,
3.6032

210.5737,
279.0204, 222.6797

 1.8532, 5.2034,
1.4103

255.1716,

 0.5494, 2.3671,

333.4803, 271.2010

0.1497

305.6599,
394.6020, 326.3035

■ 0.0000, 0.8089,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2226, 70.6331,
46.3193

■ 46.2226, 70.6331,
46.3193

■ 42.0339, 68.6264,
39.3160

■ 51.4324, 73.1507,
54.2479

■ 38.7882, 67.0852,
33.1986


■ 57.7229, 76.2036,
63.1293


■ 36.4043, 65.9704,
27.9321


■ 65.1558, 79.8246,
72.9962

■ 34.7837, 65.2318,
23.4770

■ 73.7860, 84.0418,
83.8778

 33.8730, 64.8323,
20.2736

 83.6651, 88.8809,
95.8025

 91.3420, 92.5839,
107.6640

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9638, 70.6331, 28.5982



46.2226, 70.6331, 46.3193



43.8419, 70.6331, 79.6052

Triad

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



46.2226, 70.6331, 46.3193



68.0701, 70.6331, 181.3546



92.4021, 70.6331, 43.1026

Complementary

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



46.2226, 70.6331, 46.3193



53.5208, 36.0441, 56.9620

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.



97.4897, 70.6331, 74.2714



46.2226, 70.6331, 46.3193



82.2911, 70.6331, 161.6264

Square

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



46.2226, 70.6331, 46.3193



55.3701, 70.6331, 166.0414



93.5591, 70.6331, 118.6539



80.4576, 70.6331, 27.2413

Rectangle

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



46.2226, 70.6331, 46.3193



45.3082, 70.6331, 109.2343



93.5591, 70.6331, 118.6539



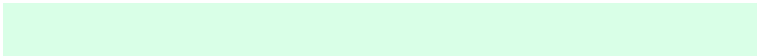
95.0397, 70.6331, 51.6848

Sweetspot

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



46.2244, 70.6360, 46.3209



78.7002, 91.9931, 89.0809



58.3926, 77.3052, 28.9838



16.4075, 19.4765, 18.5160



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.



46.2244, 70.6360, 46.3209



46.6023, 76.4252, 43.3411



53.2972, 73.4651, 83.5657



16.5343, 18.5729, 18.8320



18.6493, 35.6046, 11.4391



1.6869, 3.1484, 1.2569

Inverse Universe

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



53.5208, 36.0441, 56.9620



55.5628, 33.8139, 56.3133



47.7922, 33.7527, 26.7955



16.9398, 16.6588, 19.4297



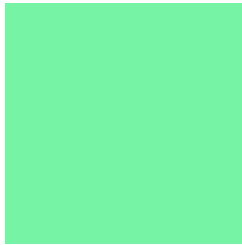
23.5353, 11.7575, 18.0588



2.1179, 1.0531, 1.8474

Previews

White Background



This preview shows how the XYZ color 46.2226, 70.6331, 46.3193 looks on a white background.

Color Contrast Check

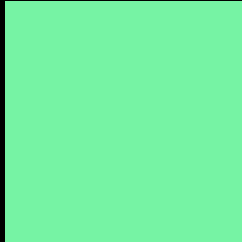
Large Text (above 18pt) WCAG AA × Fail

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 46.2226, 70.6331, 46.3193 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 46.2226, 70.6331, 46.3193

Background



This preview shows how black text looks on a background with the XYZ color 46.2226, 70.6331, 46.3193.

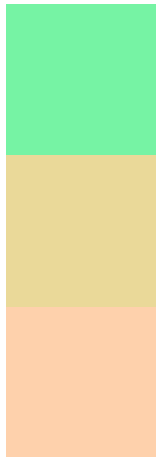


This preview shows how white text looks on a background with the XYZ color 46.2226, 70.6331,

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

46.2226, 70.6331, 46.3193

Protanopia

64.4943, 69.4180, 40.1368

Deuteranopia

71.1199, 69.6503, 48.7252



Tritanopia

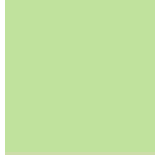
57.2537, 70.3410, 101.8264

Trichromacy



Original Color

46.2226, 70.6331, 46.3193



Protanomaly

55.0204, 68.0335, 42.1302



Deuteranomaly

58.1947, 67.5566, 47.5087



Tritanomaly

52.4545, 70.0919, 77.7823

Monochromacy



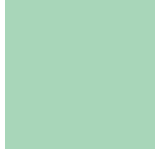
Original Color

46.2226, 70.6331, 46.3193



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.9520, 59.9207, 54.8848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2226, 70.6331, 46.3193 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(118, 243, 164)` looks like.

```
.text, #text, p{  
    color:rgb(118, 243, 164)  
}
```

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(118, 243, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 243, 164) }
```

Border

The CSS property to change the border of an element to XYZ 46.2226, 70.6331, 46.3193 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(118, 243, 164) }
```


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

```
.border{ border-color:rgb(118, 243, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 243, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 243, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 243, 164);  
box-shadow:4px 4px 4px 4px rgb(118, 243,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2226, 70.6331, 46.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 243, 164) }
```

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

```
.background{ background-color: rgb(118,  
243, 164) }
```

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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