

Converting Colors

XYZ(57.9898, 100.0000,
51.4079)

Have a look what the booklet for
XYZ(57.9898, 100.0000, 51.4079)
contains.

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Color

**XYZ(46.0281, 76.0393,
47.3731)**

Conversions

Conversions Part 1

Format	Color
Hex	53FFA4
RGB	83, 255, 164
RGB Percent	33%, 100%, 64%
CMY	0.6745, 0.0000, 0.3569
CMYK	0.67, 0.00, 0.36, 0.00
HSL	148°, 100%, 66%
HSV	148°, 67%, 100%
XYZ	46.0281, 76.0393, 47.3731
YIQ	193.1980, -73.3010, -64.7650

Conversions

Conversions Part 2

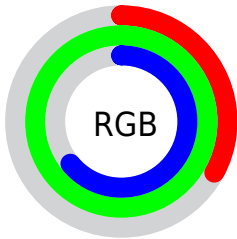
Format	Color
RYB	83, 200, 255
Decimal	5504932
CIELab	89.88, -63.73, 31.00
CIELCh	90, 70.865, 154.060
Yxy	76.0393, 0.2716, 0.4488
Android (android.graphics.Color)	4283695012 (0xFF53FFA4)
YUV	193.1980, -14.3946, -96.6436
Hunter-Lab	87.2005, -58.3811, 28.8301

Details

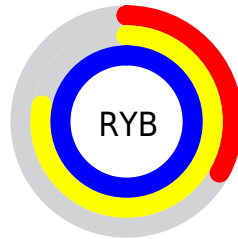
The XYZ color **46.0281, 76.0393, 47.3731** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **51.9736, 30.5031, 43.1932**, and the grayscale version is **50.9182, 53.5699, 58.3376**.

A 20% lighter version of the original color is **61.2559, 83.1713, 80.5353**, and **22.8355, 41.0802, 21.7646** is the 20% darker color. If you saturate the color by 10%, you get **43.0225, 74.6233, 41.2068**, and if you desaturate by 10%, it is **49.9909, 77.9339, 54.2615**.

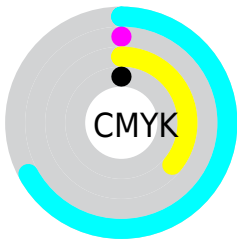
Distribution



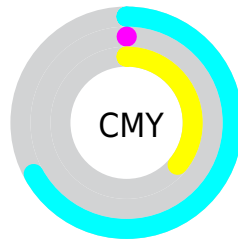
- Red (33%)
- Green (100%)
- Blue (64%)



- Red (33%)
- Yellow (78%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0281, 76.0393, 47.3731 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 46.0281, 76.0393, 47.3731 by changing the saturation by 10% instead.


 46.0281, 76.0393,
47.3731


 46.0281, 76.0393,
47.3731


361.6357,
481.4822, 392.7386


 32.4727, 56.4647,
32.9742


 83.4887, 127.7825,
87.6261


 21.8801, 40.5757,
21.8358


 108.1245,
160.7198, 114.3173

 13.8849, 27.9877,
13.5391


 137.1846,
198.8803, 145.9430

 8.1219, 18.3164,
7.6657

 171.0343,
242.6482, 182.9218

 4.2255, 11.1774,
3.7971

210.0389,
292.4079, 225.6723

 1.8305, 6.1863,
1.5147

254.5637,

 0.5359, 2.9587,

348.5439, 274.6128

0.2289

304.9742,
411.4406, 330.1621

0.0000, 1.1102,
0.0000

0.0000, 0.0000,
0.0000

46.0281, 76.0393,
47.3731

46.0281, 76.0393,
47.3731

43.0225, 74.6233,
41.2068

49.9909, 77.9339,
54.2615

40.8726, 73.6339,
35.7331

54.9944, 80.3496,
61.8921

39.4498, 73.0053,
30.9253

61.1145, 83.3250,
70.2889

39.1555, 72.8782,
29.8006

68.4191, 86.8950,
79.4736

■ 76.9706, 91.0911,
89.4668

■ 86.8270, 95.9430,
100.2885

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.



55.0094, 76.0393, 25.8492



46.0281, 76.0393, 47.3731



43.6230, 76.0393, 89.8103

Triad

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



46.0281, 76.0393, 47.3731



74.6832, 76.0393, 221.0241



103.9070, 76.0393, 39.6817

Complementary

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



46.0281, 76.0393, 47.3731



51.9736, 30.5031, 43.1932

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.



111.3265, 76.0393, 76.1528



46.0281, 76.0393, 47.3731



92.8165, 76.0393, 191.1184

Square

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



46.0281, 76.0393, 47.3731



58.5236, 76.0393, 203.2924



106.9732, 76.0393, 132.5389



88.0232, 76.0393, 22.8329

Rectangle

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



46.0281, 76.0393, 47.3731



45.6834, 76.0393, 128.6544



106.9732, 76.0393, 132.5389



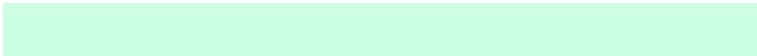
107.5806, 76.0393, 49.3765

Sweetspot

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



46.0287, 76.0396, 47.3744



74.6679, 89.9598, 86.8402



54.9412, 81.2279, 20.9672



15.4596, 18.9987, 17.9811



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.



46.0287, 76.0396, 47.3744



42.1669, 74.2260, 39.1853



56.4681, 80.2154, 102.3478



18.1277, 20.3106, 20.9752



20.5337, 38.1101, 15.9614



2.0540, 3.7325, 1.8420

Inverse Universe

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



51.9736, 30.5031, 43.1932



48.4636, 25.8702, 34.6645



46.1257, 28.1639, 12.3984



18.4110, 18.1477, 20.7814



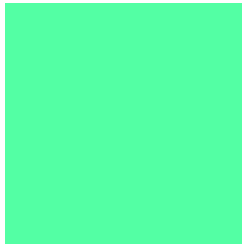
23.9068, 12.0520, 13.4254



2.3830, 1.1956, 1.5980

Previews

White Background



This preview shows how the XYZ color 46.0281, 76.0393, 47.3731 looks on a white background.

Color Contrast Check

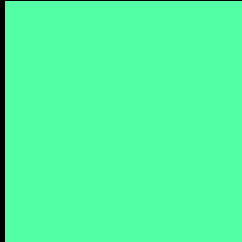
Large Text (above 18pt) WCAG AA × Fail

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 46.0281, 76.0393, 47.3731 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 46.0281, 76.0393, 47.3731

Background



This preview shows how black text looks on a background with the XYZ color 46.0281, 76.0393, 47.3731.

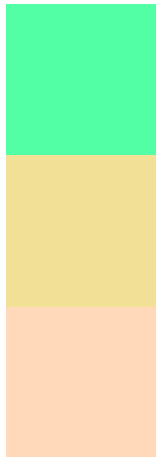


This preview shows how white text looks on a background with the XYZ color 46.0281, 76.0393,

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

46.0281, 76.0393, 47.3731

Protanopia

69.2037, 74.6004, 40.0300

Deuteranopia

74.8098, 74.3885, 56.3145



Tritanopia

61.3109, 75.3426, 105.9189

Trichromacy



Original Color

46.0281, 76.0393, 47.3731



Protanomaly

55.7167, 72.1312, 42.4386



Deuteranomaly

58.2500, 71.5326, 52.3321



Tritanomaly

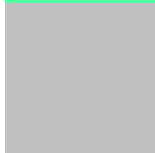
54.2947, 74.9387, 80.7102

Monochromacy



Original Color

46.0281, 76.0393, 47.3731



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.1362, 59.2614, 53.2629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0281, 76.0393, 47.3731 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(83, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 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(83, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 46.0281, 76.0393, 47.3731 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(83, 255, 164) }
```


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

```
.border{ border-color:rgb(83, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 255, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 255, 164); box-shadow:4px 4px 4px 4px rgb(83, 255, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0281, 76.0393, 47.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 164) }
```

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

```
.background{ background-color: rgb(83, 255,  
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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