

Converting Colors

XYZ(47.8381, 77.3114, 32.1399)

Have a look what the booklet for
XYZ(47.8381, 77.3114, 32.1399)
contains.

XYZ(47.8381, 77.3114, 32.1399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.8381, 77.3114,
32.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	7CFF7E
RGB	124, 255, 126
RGB Percent	49%, 100%, 49%
CMY	0.5137, 0.0000, 0.5059
CMYK	0.51, 0.00, 0.51, 0.00
HSL	121°, 100%, 74%
HSV	121°, 51%, 100%
XYZ	47.8381, 77.3114, 32.1399
YIQ	201.1250, -36.6670, -67.8910

Conversions

Conversions Part 2

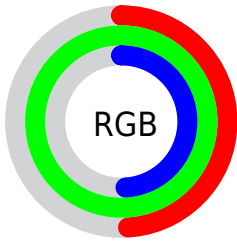
Format	Color
RYB	124, 253, 255
Decimal	8191870
CIELab	90.46, -61.18, 50.39
CIElCh	90, 79.260, 140.519
Yxy	77.3114, 0.3041, 0.4915
Android (android.graphics.Color)	4286381950 (0xFF7CFF7E)
YUV	201.1250, -37.0366, -67.6386
Hunter-Lab	87.9269, -56.7562, 39.8766

Details

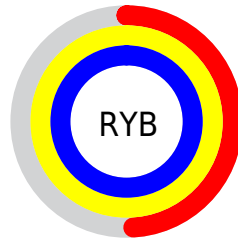
The XYZ color **47.8381, 77.3114, 32.1399** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66.1771, 42.7674, 97.6938**, and the grayscale version is **55.8337, 58.7414, 63.9694**.

A 20% lighter version of the original color is **63.8677, 85.0465, 56.7655**, and **22.9725, 41.3434, 13.0726** is the 20% darker color. If you saturate the color by 10%, you get **43.1950, 75.0821, 24.5002**, and if you desaturate by 10%, it is **53.8413, 80.1949, 41.9680**.

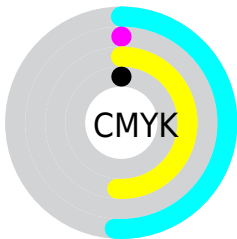
Distribution



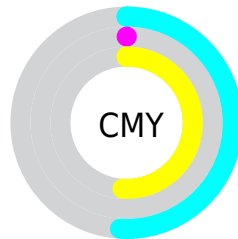
- Red (49%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (99%)
- Blue (100%)



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





- Cyan (51%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8381, 77.3114, 32.1399 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 47.8381, 77.3114, 32.1399 by changing the saturation by 10% instead.


 47.8381, 77.3114,
32.1399


 47.8381, 77.3114,
32.1399


368.7433,
485.8251, 326.2684


 33.9094, 57.5085,
21.2027


 86.1745, 129.5790,
64.1308

 22.9866, 41.4136,
13.0795


 111.3128,
162.8124, 86.0216

 14.7042, 28.6424,
7.3520


 140.9185,
201.2915, 112.4006

 8.6970, 18.8105,
3.6014

175.3568,
245.4006, 143.6864

 4.5996, 11.5334,
1.4093

214.9930,
295.5241, 180.2975

 2.0466, 6.4268,
0.1490


260.1927,


 0.6600, 3.1063,


352.0464, 222.6525


0.0000


311.3210,
415.3520, 271.1700


 0.0000, 1.1875,
0.0000


 0.0000, 0.0515,
0.0000


 47.8381, 77.3114,
32.1399


 47.8381, 77.3114,
32.1399


 43.1950, 75.0821,
24.5002


 53.8413, 80.1949,
41.9680


 39.8047, 73.4553,
18.8783


 61.2982, 83.7776,
54.1305


 37.5459, 72.3725,
15.0847

 70.2956, 88.1013,
68.7650

 36.2725, 71.7632,
12.8918

 80.9130, 93.2044,
85.9974

 35.7814, 71.5285,
12.0324

 93.2247, 99.1226,
105.9451

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.



60.9277, 77.3114, 17.7860



47.8381, 77.3114, 32.1399



41.9619, 77.3114, 67.4653

Triad

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



47.8381, 77.3114, 32.1399



67.3875, 77.3114, 244.0422



115.2203, 77.3114, 51.4498

Complementary

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



47.8381, 77.3114, 32.1399



66.1771, 42.7674, 97.6938

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.



117.7979, 77.3114, 103.4474



47.8381, 77.3114, 32.1399



87.6526, 77.3114, 233.1695

Square

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



47.8381, 77.3114, 32.1399



51.8348, 77.3114, 199.5087



106.9615, 77.3114, 174.2865



100.4465, 77.3114, 24.9486

Rectangle

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



47.8381, 77.3114, 32.1399



42.0445, 77.3114, 105.6976



106.9615, 77.3114, 174.2865



117.6338, 77.3114, 65.7991

Sweetspot

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



47.8385, 77.3116, 32.1411



76.8690, 91.2606, 79.4377



80.6382, 94.2353, 33.0084



15.9718, 19.3022, 16.2218



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.



47.8385, 77.3116, 32.1411



42.9464, 74.9628, 24.0896



53.3121, 79.5011, 60.9650



17.7828, 20.1727, 19.1595



18.7014, 37.3771, 6.3128



1.8247, 3.6408, 0.6346

Inverse Universe

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



66.1771, 42.7674, 97.6938



63.1688, 36.8563, 96.3658



57.6876, 39.3716, 52.9886



18.7800, 18.2953, 22.7246



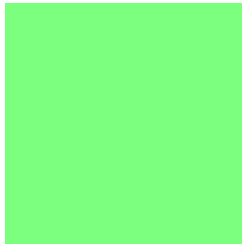
30.6612, 14.7538, 48.9938



2.9891, 1.4380, 4.7898

Previews

White Background



This preview shows how the XYZ color 47.8381, 77.3114, 32.1399 looks on a white background.

Color Contrast Check

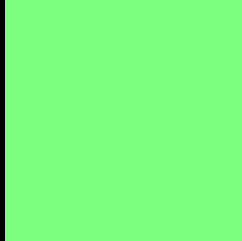
Large Text (above 18pt) WCAG AA × Fail

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 47.8381, 77.3114, 32.1399 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 47.8381, 77.3114, 32.1399

Background



This preview shows how black text looks on a background with the XYZ color 47.8381, 77.3114, 32.1399.

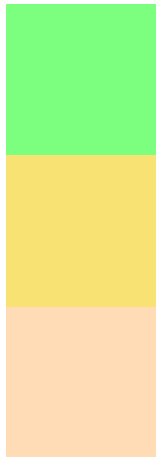


This preview shows how white text looks on a background with the XYZ color 47.8381, 77.3114,

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

47.8381, 77.3114, 32.1399

Protanopia

69.4157, 75.7934, 27.4940

Deuteranopia

75.1737, 75.7826, 54.3815



Tritanopia

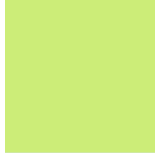
64.5609, 76.5846, 105.9873

Trichromacy



Original Color

47.8381, 77.3114, 32.1399



Protanomaly

58.5762, 74.7618, 29.1125



Deuteranomaly

61.3041, 74.1164, 44.7930



Tritanomaly

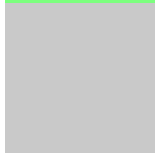
56.4983, 75.8347, 71.3343

Monochromacy



Original Color

47.8381, 77.3114, 32.1399



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.7300, 63.6531, 49.6569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8381, 77.3114, 32.1399 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(124, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 126)  
}
```

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(124, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 126) }
```

Border

The CSS property to change the border of an element to XYZ 47.8381, 77.3114, 32.1399 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(124, 255, 126) }
```


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

```
.border{ border-color:rgb(124, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8381, 77.3114, 32.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 126) }
```

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

```
.background{ background-color: rgb(124,  
255, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor