

Converting Colors

XYZ(47.0804, 75.0387, 32.0812)

Have a look what the booklet for
XYZ(47.0804, 75.0387, 32.0812)
contains.

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Color

**XYZ(47.0803, 75.0387,
32.0812)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFB7F
RGB	127, 251, 127
RGB Percent	50%, 98%, 50%
CMY	0.5020, 0.0157, 0.5019
CMYK	0.49, 0.00, 0.49, 0.02
HSL	120°, 94%, 74%
HSV	120°, 49%, 98%
XYZ	47.0803, 75.0387, 32.0812
YIQ	199.7880, -34.1000, -64.8520

Conversions

Conversions Part 2

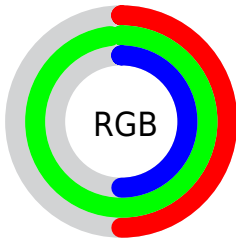
Format	Color
RYB	127, 251, 251
Decimal	8387455
CIELab	89.41, -58.75, 48.66
CIELCh	89, 76.281, 140.365
Yxy	75.0387, 0.3053, 0.4866
Android (android.graphics.Color)	4286577535 (0xFF7FFB7F)
YUV	199.7880, -35.8845, -63.8351
Hunter-Lab	86.6249, -54.5795, 38.6796

Details

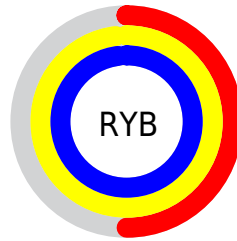
The XYZ color **47.0803, 75.0387, 32.0812** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64.7877, 42.6541, 96.0867**, and the grayscale version is **54.9997, 57.8639, 63.0138**.

A 20% lighter version of the original color is **64.6970, 85.4622, 57.3419**, and **22.4203, 39.7243, 12.9645** is the 20% darker color. If you saturate the color by 10%, you get **42.3603, 72.7737, 24.3594**, and if you desaturate by 10%, it is **53.1425, 77.9529, 41.9957**.

Distribution



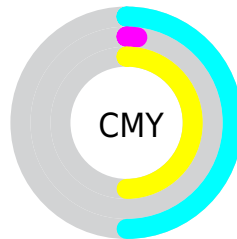
- Red (50%)
- Green (98%)
- Blue (50%)



- Red (50%)
- Yellow (98%)
- Blue (98%)



- Cyan (49%)
- Magenta (0%)
- Yellow (49%)
- Black (2%)





- Cyan (50%)
- Magenta (2%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0803, 75.0387, 32.0812 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 47.0803, 75.0387, 32.0812 by changing the saturation by 10% instead.


 47.0803, 75.0387,
32.0812

 47.0803, 75.0387,
32.0812


365.7785,
478.0506, 325.9931


 33.3074, 55.6446,
21.1582


 85.0515, 126.3671,
64.0377

 22.5224, 39.9180,
13.0473


 109.9804,
159.0703, 85.9084

 14.3600, 27.4747,
7.3300

 139.3588,
196.9785, 112.2653

 8.4548, 17.9300,
3.5878


173.5518,
240.4763, 143.5270

 4.4416, 10.8998,
1.4020

212.9250,
289.9480, 180.1121

 1.9549, 5.9995,
0.1433


257.8436,


 0.6084, 2.8448,


345.7780, 222.4392


0.0000


308.6730,
408.3507, 270.9266


 0.0000, 1.0512,
0.0000


 0.0000, 0.0000,
0.0000

 47.0803, 75.0387,
32.0812


 47.0803, 75.0387,
32.0812

 42.3603, 72.7737,
24.3594


 53.1425, 77.9529,
41.9957


 38.8757, 71.0999,
18.6596


 60.6322, 81.5506,
54.2464


 36.5126, 69.9648,
14.7941


 69.6342, 85.8747,
68.9708

 35.1334, 69.3023,
12.5380

 80.2252, 90.9621,
86.2941

 34.5257, 69.0104,
11.5438

 92.4765, 96.8471,
106.3331

 34.4987, 68.9974,
11.4997

 93.7887, 97.4774,
108.4796

Harmonies

Analogous

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



59.5373, 75.0387, 18.2296



47.0803, 75.0387, 32.0812



41.4452, 75.0387, 65.6669

Triad

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



47.0803, 75.0387, 32.0812



65.4771, 75.0387, 230.8902



110.5773, 75.0387, 50.8775

Complementary

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



47.0803, 75.0387, 32.0812



64.7877, 42.6541, 96.0867

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.



112.9226, 75.0387, 100.1611



47.0803, 75.0387, 32.0812



84.5675, 75.0387, 221.0799

Square

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



47.0803, 75.0387, 32.0812



50.7740, 75.0387, 189.3018



102.7174, 75.0387, 166.4679



96.7781, 75.0387, 25.3257

Rectangle

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



47.0803, 75.0387, 32.0812



41.5006, 75.0387, 101.6469



102.7174, 75.0387, 166.4679



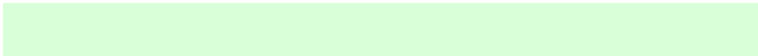
112.8147, 75.0387, 64.5573

Sweetspot

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



47.0821, 75.0418, 32.0829



76.7930, 91.2302, 79.0377



78.1149, 91.0398, 33.5342



15.9538, 19.2950, 16.1273



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.



47.0821, 75.0418, 32.0829



44.0599, 75.5068, 25.4967



52.4368, 77.1837, 60.2799



17.0175, 19.3093, 18.2926



18.1332, 36.2663, 6.0445



1.6794, 3.3589, 0.5599

Inverse Universe

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



64.7877, 42.6541, 96.0867



64.2953, 38.4915, 98.6456



56.5604, 39.3632, 52.7624



17.9931, 17.5246, 21.8194



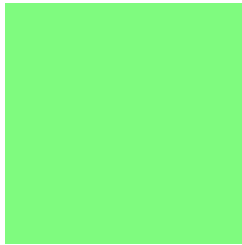
30.0642, 14.4414, 49.1739



2.7845, 1.3375, 4.5544

Previews

White Background



This preview shows how the XYZ color 47.0803, 75.0387, 32.0812 looks on a white background.

Color Contrast Check

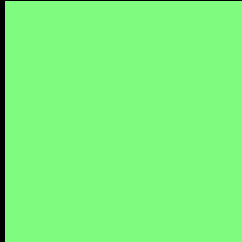
Large Text (above 18pt) WCAG AA × Fail

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 47.0803, 75.0387, 32.0812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

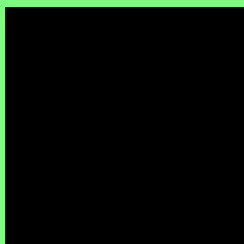
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

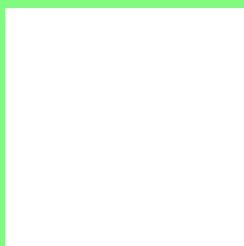
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0803, 75.0387, 32.0812

Background



This preview shows how black text looks on a background with the XYZ color 47.0803, 75.0387, 32.0812.

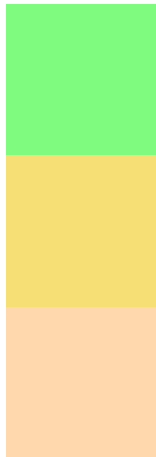


This preview shows how white text looks on a background with the XYZ color 47.0803, 75.0387,

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

47.0803, 75.0387, 32.0812

Protanopia

67.6046, 73.6525, 27.4828

Deuteranopia

73.5957, 73.9028, 49.9209



Tritanopia

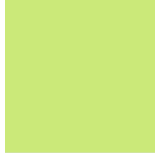
61.9501, 74.3790, 105.6992

Trichromacy



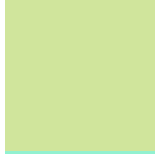
Original Color

47.0803, 75.0387, 32.0812



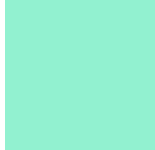
Protanomaly

57.2187, 72.3548, 29.0393



Deuteranomaly

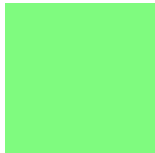
60.0325, 71.8488, 42.1567



Tritanomaly

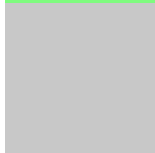
54.6945, 73.5757, 70.9933

Monochromacy



Original Color

47.0803, 75.0387, 32.0812



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.1079, 62.5644, 48.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0803, 75.0387, 32.0812 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(127, 251, 127)` looks like.

```
.text, #text, p{  
    color:rgb(127, 251, 127)  
}
```

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(127, 251, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 251, 127) }
```

Border

The CSS property to change the border of an element to XYZ 47.0803, 75.0387, 32.0812 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(127, 251, 127) }
```


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

```
.border{ border-color:rgb(127, 251, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 251, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 251, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 251, 127);  
box-shadow:4px 4px 4px 4px rgb(127, 251,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0803, 75.0387, 32.0812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 251, 127) }
```

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

```
.background{ background-color: rgb(127,  
251, 127) }
```

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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