

Converting Colors

XYZ(47.1333, 76.8861, 34.9106)

Have a look what the booklet for
XYZ(47.1333, 76.8861, 34.9106)
contains.

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Color

**XYZ(47.1333, 76.8861,
34.9106)**

Conversions

Conversions Part 1

Format	Color
Hex	73FF86
RGB	115, 255, 134
RGB Percent	45%, 100%, 53%
CMY	0.5490, 0.0000, 0.4745
CMYK	0.55, 0.00, 0.47, 0.00
HSL	128°, 100%, 73%
HSV	128°, 55%, 100%
XYZ	47.1333, 76.8861, 34.9106
YIQ	199.3460, -44.5990, -67.3110

Conversions

Conversions Part 2

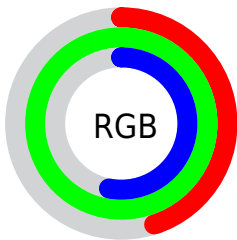
Format	Color
RYB	115, 238, 255
Decimal	7602054
CIELab	90.27, -62.30, 46.34
CIELCh	90, 77.638, 143.358
Yxy	76.8861, 0.2966, 0.4838
Android (android.graphics.Color)	4285792134 (0xFF73FF86)
YUV	199.3460, -32.2156, -73.9714
Hunter-Lab	87.6847, -57.4989, 37.7737

Details

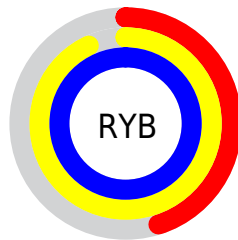
The XYZ color **47.1333, 76.8861, 34.9106** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.5108, 39.5777, 83.6997**, and the grayscale version is **54.7088, 57.5579, 62.6806**.

A 20% lighter version of the original color is **62.8498, 84.4242, 61.1271**, and **22.5336, 41.0845, 14.5270** is the 20% darker color. If you saturate the color by 10%, you get **42.8507, 74.8378, 27.5056**, and if you desaturate by 10%, it is **52.6642, 79.5408, 44.0485**.

Distribution



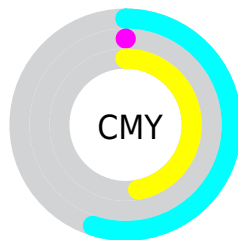
- Red (45%)
- Green (100%)
- Blue (53%)



- Red (45%)
- Yellow (93%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1333, 76.8861, 34.9106 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 47.1333, 76.8861, 34.9106 by changing the saturation by 10% instead.


 47.1333, 76.8861,
34.9106


 47.1333, 76.8861,
34.9106


365.9864,
484.3756, 339.0658


 33.3494, 57.1594,
23.3110


 85.1301, 128.9787,
68.4972

 22.5548, 41.1332,
14.6159


 110.0737,
162.1134, 91.3214

 14.3840, 28.4232,
8.4066


 139.4680,
200.4861, 118.7241

 8.4717, 18.6449,
4.2647

173.6783,
244.4814, 151.1240

 4.4526, 11.4140,
1.7717

213.0699,
294.4836, 188.9396

 1.9612, 6.3460,
0.4092


258.0082,


 0.6120, 3.0566,


350.8771, 232.5894


0.0000


308.8586,
414.0463, 282.4920


 0.0000, 1.1614,
0.0000


 0.0000, 0.0298,
0.0000


 47.1333, 76.8861,
34.9106


 47.1333, 76.8861,
34.9106


 42.8507, 74.8378,
27.5056


 52.6642, 79.5408,
44.0485


 39.7167, 73.3469,
21.7204


 59.5301, 82.8447,
55.0152


 37.6179, 72.3576,
17.4345

 67.8114, 86.8372,
67.9043

 36.4161, 71.8016,
14.5089

 77.5817, 91.5543,
82.8016

 36.0576, 71.6391,
13.4873

 88.9093, 97.0297,
99.7879

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.



59.3131, 76.8861, 19.0945



47.1333, 76.8861, 34.9106



42.0335, 76.8861, 72.0002

Triad

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



47.1333, 76.8861, 34.9106



68.8636, 76.8861, 240.1559



112.7752, 76.8861, 48.2142

Complementary

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



47.1333, 76.8861, 34.9106



62.5108, 39.5777, 83.6997

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.



116.5504, 76.8861, 96.6382



47.1333, 76.8861, 34.9106



88.8228, 76.8861, 224.3494

Square

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



47.1333, 76.8861, 34.9106



53.0686, 76.8861, 201.4289



107.1324, 76.8861, 164.6453



97.5740, 76.8861, 24.0681

Rectangle

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



47.1333, 76.8861, 34.9106



42.5585, 76.8861, 110.7885



107.1324, 76.8861, 164.6453



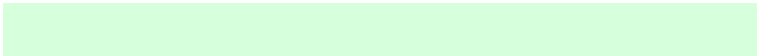
115.5216, 76.8861, 61.4574

Sweetspot

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



47.1337, 76.8862, 34.9118



76.4335, 90.9997, 81.0645



73.5575, 90.6478, 29.8399



15.9101, 19.2604, 16.6688



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.



47.1337, 76.8862, 34.9118



42.4522, 74.6477, 26.7929



53.6895, 79.5086, 69.4345



17.8719, 20.2083, 19.6286



18.8714, 37.4451, 7.2079



1.8667, 3.6576, 0.8561

Inverse Universe

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



62.5108, 39.5777, 83.6997



59.2117, 33.8630, 79.8758



54.2845, 36.2871, 40.3802



18.6803, 18.2555, 22.1998



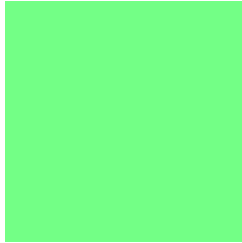
28.3669, 13.8360, 36.9120



2.7900, 1.3584, 3.7418

Previews

White Background



This preview shows how the XYZ color 47.1333, 76.8861, 34.9106 looks on a white background.

Color Contrast Check

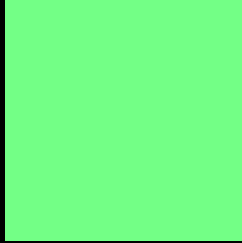
Large Text (above 18pt) WCAG AA × Fail

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 47.1333, 76.8861, 34.9106 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 47.1333, 76.8861, 34.9106

Background



This preview shows how black text looks on a background with the XYZ color 47.1333, 76.8861, 34.9106.

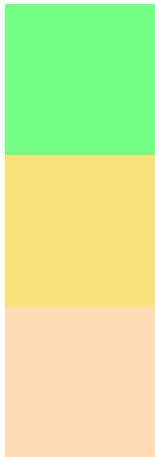


This preview shows how white text looks on a background with the XYZ color 47.1333, 76.8861,

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

47.1333, 76.8861, 34.9106

Protanopia

69.4829, 75.7792, 29.7036

Deuteranopia

74.9120, 75.2592, 54.2943



Tritanopia

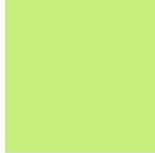
63.5248, 76.0505, 105.9388

Trichromacy



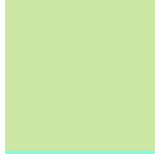
Original Color

47.1333, 76.8861, 34.9106



Protanomaly

57.9344, 74.3800, 31.3820



Deuteranomaly

60.4593, 73.2309, 46.0704



Tritanomaly

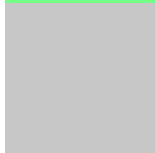
55.7856, 75.4243, 73.2461

Monochromacy



Original Color

47.1333, 76.8861, 34.9106



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.2178, 62.0830, 49.9466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1333, 76.8861, 34.9106 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(115, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 134)  
}
```

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(115, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 47.1333, 76.8861, 34.9106 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(115, 255, 134) }
```


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

```
.border{ border-color:rgb(115, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1333, 76.8861, 34.9106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 134) }
```

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

```
.background{ background-color: rgb(115,  
255, 134) }
```

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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