

Converting Colors

XYZ(46.9914, 76.6070, 44.2082)

Have a look what the booklet for
XYZ(46.9914, 76.6070, 44.2082)
contains.

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Color

**XYZ(46.9914, 76.6070,
44.2082)**

Conversions

Conversions Part 1

Format	Color
Hex	63FF9D
RGB	99, 255, 157
RGB Percent	39%, 100%, 62%
CMY	0.6118, 0.0000, 0.3843
CMYK	0.61, 0.00, 0.38, 0.00
HSL	142°, 100%, 69%
HSV	142°, 61%, 100%
XYZ	46.9914, 76.6070, 44.2082
YIQ	197.1840, -61.5180, -63.5500

Conversions

Conversions Part 2

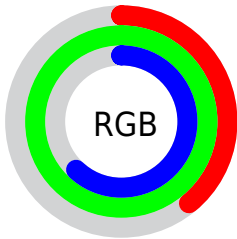
Format	Color
RYB	99, 213, 255
Decimal	6553501
CIELab	90.14, -62.14, 34.90
CIELCh	90, 71.270, 150.676
Yxy	76.6070, 0.2800, 0.4565
Android (android.graphics.Color)	4284743581 (0xFF63FF9D)
YUV	197.1840, -19.8107, -86.1074
Hunter-Lab	87.5254, -57.3349, 31.3210

Details

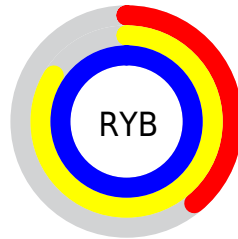
The XYZ color **46.9914, 76.6070, 44.2082** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.7801, 34.2154, 56.4875**, and the grayscale version is **53.3247, 56.1018, 61.0948**.

A 20% lighter version of the original color is **62.5440, 83.9548, 75.1958**, and **22.5161, 40.9524, 20.0825** is the 20% darker color. If you saturate the color by 10%, you get **43.3524, 74.8788, 37.3611**, and if you desaturate by 10%, it is **51.6899, 78.8606, 52.0435**.

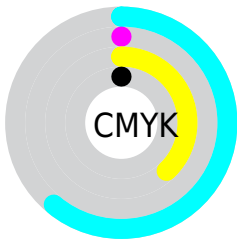
Distribution



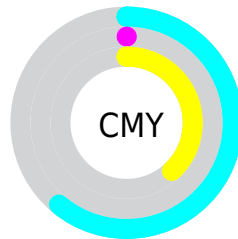
- Red (39%)
- Green (100%)
- Blue (62%)



- Red (39%)
- Yellow (84%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9914, 76.6070, 44.2082 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 46.9914, 76.6070, 44.2082 by changing the saturation by 10% instead.


 46.9914, 76.6070,
44.2082

 46.9914, 76.6070,
44.2082


365.4297,
483.4230, 379.6234


 33.2368, 56.9304,
30.4958


 84.9196, 128.5846,
82.8368

 22.4680, 40.9493,
19.9600


 109.8239,
161.6543, 108.5900

 14.3197, 28.2795,
12.1822


 139.1755,
199.9572, 139.1940

 8.4265, 18.5365,
6.7438

173.3396,
243.8777, 175.0672

 4.4232, 11.3358,
3.2264

212.6818,
293.8001, 216.6282

 1.9442, 6.2932,
1.2114


257.5673,


 0.6023, 3.0242,


350.1089, 264.2956


0.0000


308.3615,
413.1884, 318.4878


 0.0000, 1.1444,
0.0000

 0.0000, 0.0155,
0.0000


 46.9914, 76.6070,
44.2082


 46.9914, 76.6070,
44.2082


 43.3524, 74.8788,
37.3611


 51.6899, 78.8606,
52.0435


 40.6785, 73.6282,
31.4579


 57.5279, 81.6802,
60.9012


 38.8595, 72.7993,
26.4562

 64.5789, 85.1029,
70.8183

 37.8169, 72.3428,
22.7516

 72.9097, 89.1625,
81.8291

 82.5822, 93.8903,
93.9659

 93.6541, 99.3152,
107.2599

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.



56.7950, 76.6070, 24.5346



46.9914, 76.6070, 44.2082



43.8115, 76.6070, 84.5673

Triad

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



46.9914, 76.6070, 44.2082



73.2149, 76.6070, 223.7361



106.1759, 76.6070, 42.9165

Complementary

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



46.9914, 76.6070, 44.2082



55.7801, 34.2154, 56.4875

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.



112.4145, 76.6070, 82.2673



46.9914, 76.6070, 44.2082



91.5899, 76.6070, 198.4402

Square

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



46.9914, 76.6070, 44.2082



57.3864, 76.6070, 200.4967



106.6931, 76.6070, 140.8227



90.7818, 76.6070, 24.0295

Rectangle

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



46.9914, 76.6070, 44.2082



45.3905, 76.6070, 122.7707



106.6931, 76.6070, 140.8227



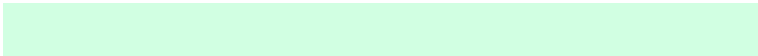
109.5152, 76.6070, 53.5168

Sweetspot

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



46.9919, 76.6072, 44.2095



75.8330, 90.5900, 85.5596



61.2485, 84.3996, 24.8676



15.6569, 19.1094, 17.5806



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.



46.9919, 76.6072, 44.2095



42.7955, 74.6165, 36.2148



55.7860, 80.1248, 90.5183



18.0508, 20.2799, 20.5706



19.8261, 37.8271, 12.2357



1.9811, 3.7034, 1.4584

Inverse Universe

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



55.7801, 34.2154, 56.4875



52.1994, 29.0340, 49.1898



49.0802, 31.5354, 21.2065



18.4894, 18.1791, 21.1945



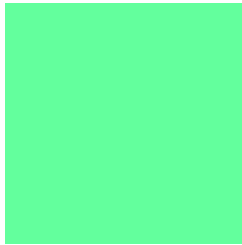
24.9476, 12.4683, 18.9065



2.4819, 1.2352, 2.1193

Previews

White Background



This preview shows how the XYZ color 46.9914, 76.6070, 44.2082 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 46.9914, 76.6070, 44.2082 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 46.9914, 76.6070, 44.2082

Background



This preview shows how black text looks on a background with the XYZ color 46.9914, 76.6070, 44.2082.

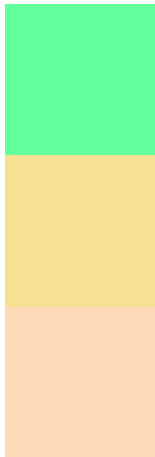


This preview shows how white text looks on a background with the XYZ color 46.9914, 76.6070,

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

46.9914, 76.6070, 44.2082

Protanopia

69.6922, 75.3072, 37.6506

Deuteranopia

75.0684, 74.9056, 56.4006



Tritanopia

62.6268, 76.0209, 105.9805

Trichromacy



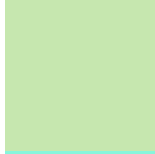
Original Color

46.9914, 76.6070, 44.2082



Protanomaly

57.1585, 73.3673, 39.5825



Deuteranomaly

59.6025, 72.2527, 51.3622



Tritanomaly

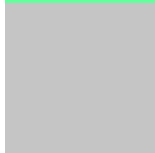
55.4303, 75.5702, 78.6829

Monochromacy



Original Color

46.9914, 76.6070, 44.2082



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.2128, 61.0973, 53.5078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9914, 76.6070, 44.2082 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(99, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 157)  
}
```

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(99, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 46.9914, 76.6070, 44.2082 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(99, 255, 157) }
```


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

```
.border{ border-color:rgb(99, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9914, 76.6070, 44.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 157) }
```

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

```
.background{ background-color: rgb(99, 255,  
157) }
```

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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