

Converting Colors

XYZ(47.8797, 77.0009, 47.1419)

Have a look what the booklet for
XYZ(47.8797, 77.0009, 47.1419)
contains.

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Color

**XYZ(47.8503, 76.9891,
46.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFA3
RGB	102, 255, 163
RGB Percent	40%, 100%, 64%
CMY	0.6000, 0.0000, 0.3608
CMYK	0.60, 0.00, 0.36, 0.00
HSL	144°, 100%, 70%
HSV	144°, 60%, 100%
XYZ	47.8503, 76.9891, 46.9887
YIQ	198.7650, -61.6560, -61.0480

Conversions

Conversions Part 2

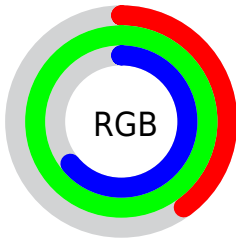
Format	Color
RYB	102, 211, 255
Decimal	6750115
CIELab	90.32, -60.50, 32.17
CIELCh	90, 68.522, 152.003
Yxy	76.9891, 0.2785, 0.4481
Android (android.graphics.Color)	4284940195 (0xFF66FFA3)
YUV	198.7650, -17.6321, -84.8629
Hunter-Lab	87.7434, -56.2072, 29.6692

Details

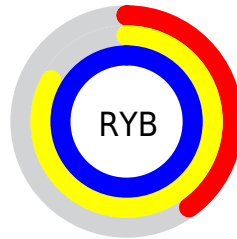
The XYZ color **47.8503, 76.9891, 46.9887** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.7292, 34.6582, 54.7912**, and the grayscale version is **54.2738, 57.1002, 62.1822**.

A 20% lighter version of the original color is **63.9319, 84.5813, 79.2859**, and **22.9467, 41.1439, 21.4840** is the 20% darker color. If you saturate the color by 10%, you get **44.0997, 75.2048, 40.0717**, and if you desaturate by 10%, it is **52.6570, 79.2986, 54.8273**.

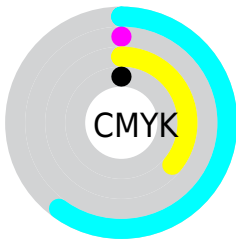
Distribution



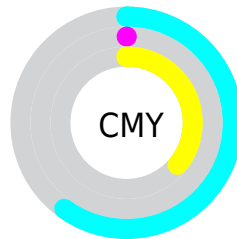
- Red (40%)
- Green (100%)
- Blue (64%)



- Red (40%)
- Yellow (83%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8503, 76.9891, 46.9887 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 47.8503, 76.9891, 46.9887 by changing the saturation by 10% instead.


 47.8503, 76.9891,
46.9887


 47.8503, 76.9891,
46.9887


368.7909,
484.7269, 391.1619


 33.9191, 57.2439,
32.6724


 86.1925, 129.1241,
87.0466

 22.9941, 41.2011,
21.6066


 111.3343,
162.2827, 113.6252

 14.7098, 28.4763,
13.3726


 140.9436,
200.6813, 145.1285

 8.7010, 18.6850,
7.5519

175.3858,
244.7041, 181.9748

 4.6022, 11.4429,
3.7259

215.0263,
294.7357, 224.5828

 2.0481, 6.3656,
1.4762

260.2304,

 0.6608, 3.0686,

351.1605, 273.3709

0.2001

311.3635,
414.3627, 328.7578

0.0000, 1.1677,
0.0000

0.0000, 0.0350,
0.0000

47.8503, 76.9891,
46.9887

47.8503, 76.9891,
46.9887

44.0997, 75.2048,
40.0717

52.6570, 79.2986,
54.8273

41.3133, 73.8990,
34.0372

58.5978, 82.1727,
63.6167

39.3845, 73.0175,
28.8486

65.7444, 85.6481,
73.3895

38.1420, 72.4728,
24.4631

74.1625, 89.7577,
84.1757

■ 38.1419, 72.4727,
24.4627

■ 83.9126, 94.5323,
96.0038

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.



57.1218, 76.9891, 26.7080



47.8503, 76.9891, 46.9887



45.0287, 76.9891, 87.1569

Triad

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



47.8503, 76.9891, 46.9887



74.3291, 76.9891, 217.2500



104.6913, 76.9891, 43.2250

Complementary

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



47.8503, 76.9891, 46.9887



55.7292, 34.6582, 54.7912

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.



111.1275, 76.9891, 80.5851



47.8503, 76.9891, 46.9887



91.9870, 76.9891, 191.4924

Square

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



47.8503, 76.9891, 46.9887



58.8231, 76.9891, 197.2482



106.1547, 76.9891, 136.1553



89.6918, 76.9891, 25.2044

Rectangle

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



47.8503, 76.9891, 46.9887



46.7657, 76.9891, 124.2120



106.1547, 76.9891, 136.1553



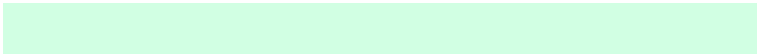
108.0246, 76.9891, 53.3096

Sweetspot

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



47.8508, 76.9894, 46.9900



76.0033, 90.6581, 86.4561



61.0147, 84.2622, 25.6194



15.6981, 19.1259, 17.7976



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.



47.8508, 76.9894, 46.9900



43.4681, 74.9068, 38.7947



56.5478, 80.4681, 92.7874



18.0716, 20.2882, 20.6799



19.9986, 37.8960, 13.1440



1.9993, 3.7107, 1.5543

Inverse Universe

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



55.7292, 34.6582, 54.7912



51.9415, 29.1866, 47.0429



49.3728, 32.1157, 21.3190



18.4680, 18.1705, 21.0819



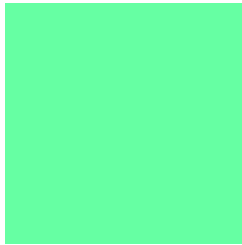
24.6432, 12.3466, 17.3035



2.4534, 1.2237, 1.9689

Previews

White Background



This preview shows how the XYZ color 47.8503, 76.9891, 46.9887 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 47.8503, 76.9891, 46.9887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

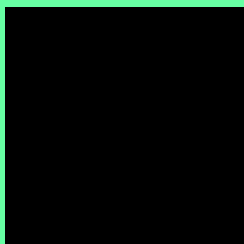
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8503, 76.9891, 46.9887

Background



This preview shows how black text looks on a background with the XYZ color 47.8503, 76.9891, 46.9887.

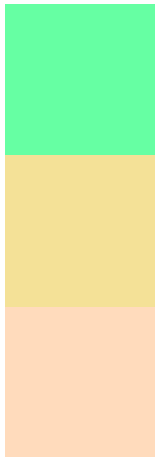


This preview shows how white text looks on a background with the XYZ color 47.8503, 76.9891,

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

47.8503, 76.9891, 46.9887

Protanopia

69.8194, 75.3179, 40.1361

Deuteranopia

75.6486, 75.5539, 58.1732



Tritanopia

63.0171, 76.2221, 105.9987

Trichromacy



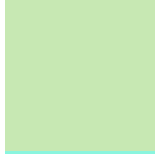
Original Color

47.8503, 76.9891, 46.9887



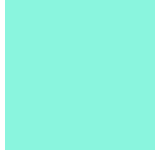
Protanomaly

57.6501, 73.5639, 42.1711



Deuteranomaly

60.5465, 73.1100, 53.5683



Tritanomaly

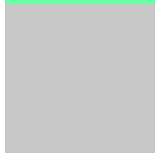
56.3185, 75.9820, 80.8049

Monochromacy



Original Color

47.8503, 76.9891, 46.9887



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.5043, 62.1007, 55.8319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8503, 76.9891, 46.9887 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(102, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 163)  
}
```

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(102, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 47.8503, 76.9891, 46.9887 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(102, 255, 163) }
```


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

```
.border{ border-color:rgb(102, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8503, 76.9891, 46.9887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 163) }
```

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

```
.background{ background-color: rgb(102,  
255, 163) }
```

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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