

# Converting Colors

XYZ(47.4509, 76.7602, 48.0104)

Have a look what the booklet for  
XYZ(47.4509, 76.7602, 48.0104)  
contains.

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# Color

**XYZ(47.4813, 76.7780,  
47.9144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FFA5
RGB	97, 255, 165
RGB Percent	38%, 100%, 65%
CMY	0.6196, 0.0000, 0.3529
CMYK	0.62, 0.00, 0.35, 0.00
HSL	146°, 100%, 69%
HSV	146°, 62%, 100%
XYZ	47.4813, 76.7780, 47.9144
YIQ	197.4980, -65.2780, -61.4860

# Conversions

## Conversions Part 2

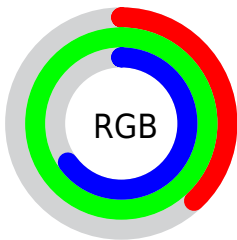
Format	Color
<a href="#">RYB</a>	<a href="#">97, 207, 255</a>
Decimal	<a href="#">6422437</a>
<a href="#">CIELab</a>	<a href="#">90.22, -61.11, 31.01</a>
<a href="#">CIELCh</a>	<a href="#">90, 68.528, 153.093</a>
<a href="#">Yxy</a>	<a href="#">76.7780, 0.2758, 0.4459</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4284612517 (0xFF61FFA5)</a>
<a href="#">YUV</a>	<a href="#">197.4980, -16.0215, -88.1367</a>
<a href="#">Hunter-Lab</a>	<a href="#">87.6231, -56.6145, 28.9149</a>

# Details

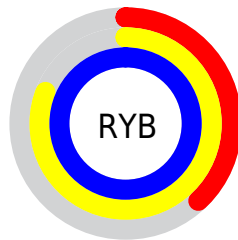
The XYZ color **47.4813, 76.7780, 47.9144** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **54.4847, 33.3978, 50.5888**, and the grayscale version is **53.4945, 56.2803, 61.2893**.

A 20% lighter version of the original color is **63.5091, 84.3175, 81.3342**, and **22.8909, 41.1024, 22.0563** is the 20% darker color. If you saturate the color by 10%, you get **43.9391, 75.0961, 41.2353**, and if you desaturate by 10%, it is **52.0476, 78.9705, 55.4278**.

# Distribution



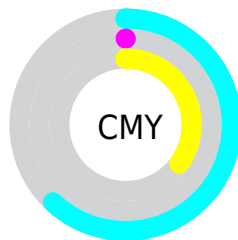
- Red (38%)
- Green (100%)
- Blue (65%)



- Red (38%)
- Yellow (81%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4813, 76.7780, 47.9144 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 47.4813, 76.7780, 47.9144 by changing the saturation by 10% instead.





 47.4813, 76.7780,  
47.9144


 47.4813, 76.7780,  
47.9144

367.3493,  
484.0068, 394.9516


 33.6258, 57.0707,  
33.3996


 85.6460, 128.8261,  
88.4412

 22.7678, 41.0620,  
22.1591


 110.6859,  
161.9356, 115.2902

 14.5419, 28.3675,  
13.7744


 140.1847,  
200.2813, 147.0877

 8.5827, 18.6029,  
7.8270

174.5078,  
244.2477, 184.2523

 4.5250, 11.3837,  
3.8983

214.0204,  
294.2190, 227.2024

 2.0032, 6.3255,  
1.5697

259.0880,

 0.6358, 3.0440,

350.5797, 276.3567

0.2691

310.0758,  
413.7141, 332.1336

0.0000, 1.1548,  
0.0000

0.0000, 0.0243,  
0.0000

47.4813, 76.7780,  
47.9144

47.4813, 76.7780,  
47.9144

43.9391, 75.0961,  
41.2353

52.0476, 78.9705,  
55.4278

41.3274, 73.8771,  
35.3563


57.7169, 81.7136,  
63.8004


39.5363, 73.0650,  
30.2460

64.5615, 85.0443,  
73.0606

38.5608, 72.6403,  
26.6687

72.6472, 88.9958,  
83.2341

 82.0347, 93.5990,  
94.3458

 92.7805, 98.8826,  
106.4194

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.



56.5064, 76.7780, 27.0477



47.4813, 76.7780, 47.9144



44.9016, 76.7780, 88.7639

# Triad

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



47.4813, 76.7780, 47.9144



74.7573, 76.7780, 216.6813



104.0143, 76.7780, 42.1149

# Complementary

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



47.4813, 76.7780, 47.9144



54.4847, 33.3978, 50.5888

# 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.



110.8294, 76.7780, 78.6369



47.4813, 76.7780, 47.9144



92.3682, 76.7780, 189.4439

# Square

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



47.4813, 76.7780, 47.9144



59.1278, 76.7780, 198.3136



106.2693, 76.7780, 133.6656



88.8315, 76.7780, 24.7311



# Rectangle

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



47.4813, 76.7780, 47.9144



46.7924, 76.7780, 126.0722



106.2693, 76.7780, 133.6656



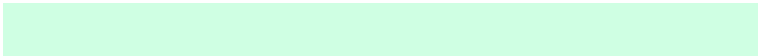
107.4581, 76.7780, 51.9283

# Sweetspot

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



47.4819, 76.7783, 47.9157



75.2873, 90.2890, 86.4239



58.9458, 83.2234, 24.2670



15.5680, 19.0578, 17.8381



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.



47.4819, 76.7783, 47.9157



43.3339, 74.8114, 39.9717



56.6921, 80.4624, 96.4162



18.0961, 20.2980, 20.8091



20.2202, 37.9847, 14.3109



2.0223, 3.7198, 1.6750



# Inverse Universe

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



54.4847, 33.3978, 50.5888



50.8250, 28.2392, 42.7072



48.3387, 30.9394, 18.2245



18.4430, 18.1605, 20.9497



24.3058, 12.2116, 15.5268

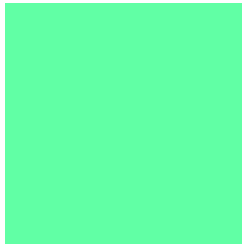


2.4214, 1.2109, 1.8003



# Previews

## White Background



This preview shows how the XYZ color 47.4813, 76.7780, 47.9144 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 47.4813, 76.7780, 47.9144 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 47.4813, 76.7780, 47.9144**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4813, 76.7780, 47.9144.



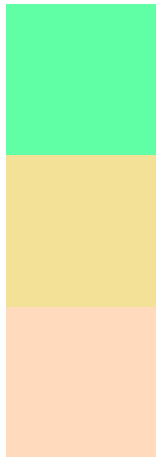
This preview shows how white text looks on a background with the XYZ color 47.4813, 76.7780,



# 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

47.4813, 76.7780, 47.9144

### Protanopia

69.9009, 75.3505, 40.5657

### Deuteranopia

75.3885, 75.0336, 58.0865



## Tritanopia

62.6268, 76.0209, 105.9805

# Trichromacy



## Original Color

47.4813, 76.7780, 47.9144



## Protanomaly

57.5671, 73.5016, 43.0514



## Deuteranomaly

60.1028, 72.4529, 53.9971



## Tritanomaly

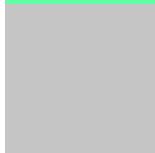
55.8289, 75.7296, 80.7820

# Monochromacy



## Original Color

47.4813, 76.7780, 47.9144



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

48.5263, 61.2227, 55.1585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4813, 76.7780, 47.9144 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(97, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 165)  
}
```

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(97, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4813, 76.7780, 47.9144 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".

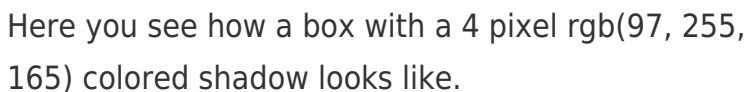
```
.border, #border, table{ border:4px solid rgb(97, 255, 165) }
```



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

```
.border{ border-color:rgb(97, 255, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 255, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 255, 165); box-shadow:4px 4px 4px 4px rgb(97, 255, 165) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4813, 76.7780, 47.9144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 165) }
```

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

```
.background{ background-color: rgb(97, 255,  
165) }
```

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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