

# Converting Colors

XYZ(49.3685, 77.8422, 43.8756)

Have a look what the booklet for  
XYZ(49.3685, 77.8422, 43.8756)  
contains.

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# Color

**XYZ(49.3685, 77.8422,  
43.8756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77FF9C
RGB	119, 255, 156
RGB Percent	47%, 100%, 61%
CMY	0.5333, 0.0000, 0.3882
CMYK	0.53, 0.00, 0.39, 0.00
HSL	136°, 100%, 73%
HSV	136°, 53%, 100%
XYZ	49.3685, 77.8422, 43.8756
YIQ	203.0500, -49.2770, -59.6210

# Conversions

## Conversions Part 2

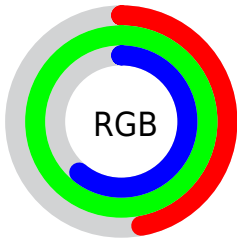
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 226, 255</a>
Decimal	<a href="#">7864220</a>
<a href="#">CIELab</a>	<a href="#">90.71, -58.03, 36.26</a>
<a href="#">CIElCh</a>	<a href="#">91, 68.422, 148.003</a>
<a href="#">Yxy</a>	<a href="#">77.8422, 0.2886, 0.4550</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4286054300 (0xFF77FF9C)</a>
<a href="#">YUV</a>	<a href="#">203.0500, -23.1956, -73.7118</a>
<a href="#">Hunter-Lab</a>	<a href="#">88.2282, -54.5189, 32.2750</a>

# Details

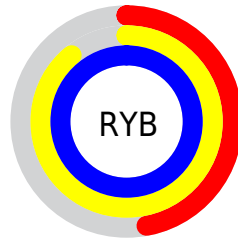
The XYZ color **49.3685, 77.8422, 43.8756** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.4918, 39.5160, 70.7681**, and the grayscale version is **56.9594, 59.9257, 65.2591**.

A 20% lighter version of the original color is **66.1083, 85.8069, 74.7061**, and **23.8811, 41.6620, 19.8796** is the 20% darker color. If you saturate the color by 10%, you get **44.8722, 75.6923, 36.0781**, and if you desaturate by 10%, it is **55.0447, 80.5727, 52.9848**.

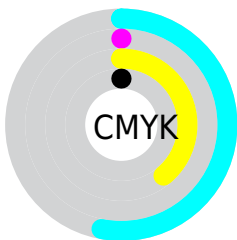
# Distribution



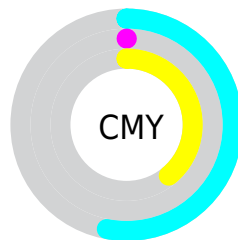
- Red (47%)
- Green (100%)
- Blue (61%)



- Red (47%)
- Yellow (89%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3685, 77.8422, 43.8756 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 49.3685, 77.8422, 43.8756 by changing the saturation by 10% instead.





 49.3685, 77.8422,  
43.8756


 49.3685, 77.8422,  
43.8756

374.6842,  
487.6308, 378.2269


 35.1276, 57.9444,  
30.2362


 88.4359, 130.3277,  
82.3310

 23.9282, 41.7639,  
19.7644


 113.9932,  
163.6840, 107.9841

 15.4048, 28.9165,  
12.0415


 144.0534,  
202.2954, 138.4789

 9.1921, 19.0176,  
6.6491

178.9817,  
246.5462, 174.2339

 4.9248, 11.6830,  
3.1685

219.1436,  
296.8207, 215.6677

 2.2375, 6.5282,  
1.1813

264.9044,

 0.7624, 3.1689,

353.5034, 263.1987

0.0000

316.6295,  
416.9786, 317.2456

0.0000, 1.2205,  
0.0000

0.0000, 0.0784,  
0.0000

49.3685, 77.8422,  
43.8756

49.3685, 77.8422,  
43.8756

44.8722, 75.6923,  
36.0781

55.0447, 80.5727,  
52.9848

41.4665, 74.0780,  
29.5275

61.9778, 83.9222,  
63.4586

39.0511, 72.9491,  
24.1594

70.2401, 87.9269,  
75.3518

37.5048, 72.2446,  
19.9016

79.8977, 92.6198,  
88.7148

■ 36.8459, 71.9544,  
17.6385

■ 91.0122, 98.0317,  
103.5957

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.



59.5414, 77.8422, 25.6795



49.3685, 77.8422, 43.8756



45.6508, 77.8422, 81.5040

# Triad

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



49.3685, 77.8422, 43.8756



72.8420, 77.8422, 218.7398



107.1364, 77.8422, 47.6593

# Complementary

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



49.3685, 77.8422, 43.8756



60.4918, 39.5160, 70.7681

# 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.



112.1344, 77.8422, 88.0952



49.3685, 77.8422, 43.8756



90.5975, 77.8422, 198.6652

# Square

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



49.3685, 77.8422, 43.8756



57.8337, 77.8422, 192.9068



105.6704, 77.8422, 145.3864



92.8979, 77.8422, 27.1949



# Rectangle

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



49.3685, 77.8422, 43.8756



46.8177, 77.8422, 117.4711



105.6704, 77.8422, 145.3864



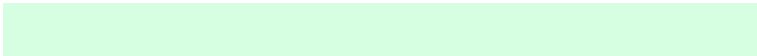
110.0411, 77.8422, 58.7613

# Sweetspot

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



49.3690, 77.8425, 43.8769



77.1816, 91.2989, 85.0038



68.2233, 87.8708, 30.8184



16.0864, 19.3309, 17.5970



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.



49.3690, 77.8425, 43.8769



44.6120, 75.5683, 35.6027



56.7234, 80.7842, 82.6043



17.9745, 20.2494, 20.1690



19.3060, 37.6190, 9.4964



1.9232, 3.6802, 1.1535



# Inverse Universe

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



60.4918, 39.5160, 70.7681



56.7574, 33.5627, 64.8511



53.4015, 36.6799, 33.4307



18.5694, 18.2111, 21.6155



26.2248, 12.9792, 25.6322

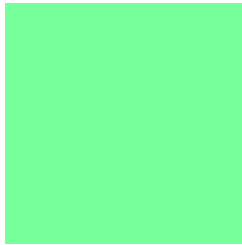


2.5993, 1.2821, 2.7373



# Previews

## White Background



This preview shows how the XYZ color 49.3685, 77.8422, 43.8756 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 49.3685, 77.8422, 43.8756 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 49.3685, 77.8422, 43.8756**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.3685, 77.8422, 43.8756.



This preview shows how white text looks on a background with the XYZ color 49.3685, 77.8422,



# 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

49.3685, 77.8422, 43.8756

### Protanopia

70.9377, 76.7567, 37.8648

### Deuteranopia

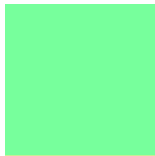
76.2818, 76.6470, 58.9180



## Tritanopia

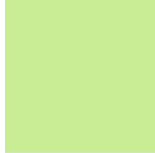
64.8529, 77.1685, 106.0846

# Trichromacy



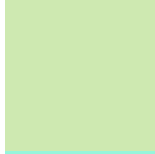
## Original Color

49.3685, 77.8422, 43.8756



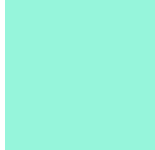
## Protanomaly

59.5284, 75.0177, 39.7761



## Deuteranomaly

62.5283, 74.5740, 52.6936



## Tritanomaly

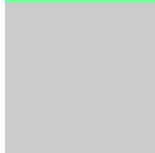
58.0163, 76.9033, 78.8039

# Monochromacy



## Original Color

49.3685, 77.8422, 43.8756



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

51.9975, 64.5584, 56.1748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3685, 77.8422, 43.8756 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(119, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 156)  
}
```

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(119, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3685, 77.8422, 43.8756 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(119, 255, 156) }
```



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

```
.border{ border-color:rgb(119, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.3685, 77.8422, 43.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 156) }
```

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

```
.background{ background-color: rgb(119,  
255, 156) }
```

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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