

Converting Colors

XYZ(49.5913, 77.4899, 22.2408)

Have a look what the booklet for
XYZ(49.5913, 77.4899, 22.2408)
contains.

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Color

**XYZ(49.5913, 77.4899,
22.2408)**

Conversions

Conversions Part 1

Format	Color
Hex	96FD5B
RGB	150, 253, 91
RGB Percent	59%, 99%, 36%
CMY	0.4118, 0.0078, 0.6431
CMYK	0.41, 0.00, 0.64, 0.01
HSL	98°, 98%, 67%
HSV	98°, 64%, 99%
XYZ	49.5913, 77.4899, 22.2408
YIQ	203.7350, -9.3860, -72.2180

Conversions

Conversions Part 2

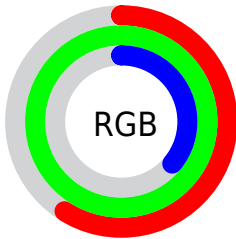
Format	Color
RYB	91, 253, 194
Decimal	9895259
CIELab	90.55, -56.73, 65.92
CIELCh	91, 86.965, 130.716
Yxy	77.4899, 0.3321, 0.5189
Android (android.graphics.Color)	4288085339 (0xFF96FD5B)
YUV	203.7350, -55.5784, -47.1256
Hunter-Lab	88.0283, -53.4906, 46.6399

Details

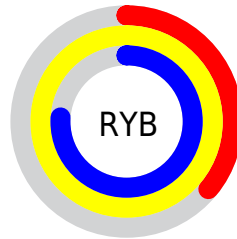
The XYZ color **49.5913, 77.4899, 22.2408** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **43.7226, 26.0458, 95.6557**, and the grayscale version is **57.5731, 60.5714, 65.9623**.

A 20% lighter version of the original color is **67.6048, 87.3282, 40.8966**, and **24.1660, 41.7374, 7.8810** is the 20% darker color. If you saturate the color by 10%, you get **45.9193, 75.7048, 17.3010**, and if you desaturate by 10%, it is **54.0412, 79.6382, 29.1397**.

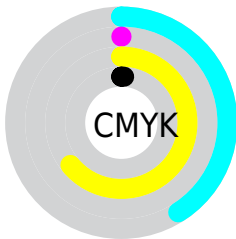
Distribution



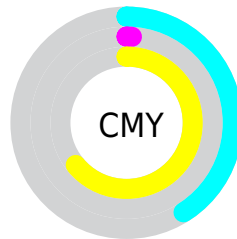
- Red (59%)
- Green (99%)
- Blue (36%)



- Red (36%)
- Yellow (99%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (64%)
- Black (1%)





- Cyan (41%)
- Magenta (1%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5913, 77.4899, 22.2408 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 49.5913, 77.4899, 22.2408 by changing the saturation by 10% instead.


 49.5913, 77.4899,
22.2408

 49.5913, 77.4899,
22.2408


375.5440,
486.4327, 276.7956

 35.3052, 57.6550,
13.8339


 88.7645, 129.8308,
48.0509


 24.0657, 41.5314,
7.8678


 114.3823,
163.1056, 66.2913

 15.5074, 28.7345,
3.9239


 144.5081,
201.6292, 88.6466

 9.2649, 18.8801,
1.5837

 179.5072,
245.7860, 115.5353

 4.9728, 11.5837,
0.2792

219.7450,
295.9603, 147.3761

 2.2659, 6.4609,
0.0000

265.5868,

 0.7771, 3.1273,

352.5367, 184.5873

0.0000

317.3980,
415.8993, 227.5877

0.0000, 1.1985,
0.0000

0.0000, 0.0605,
0.0000

49.5913, 77.4899,
22.2408

49.5913, 77.4899,
22.2408

45.9193, 75.7048,
17.3010

54.0412, 79.6382,
29.1397

42.9645, 74.2491,
14.1107

59.3123, 82.1612,
38.1689

40.6639, 73.0981,
12.4220

65.4508, 85.0816,
49.4866

39.5542, 72.5361,
11.9162

72.4974, 88.4172,
63.2347

■ 80.4902, 92.1850,
79.5434

■ 89.4648, 96.4005,
98.5339

■ 94.4169, 98.7338,
108.6890

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.1426, 77.4899, 12.9094



49.5913, 77.4899, 22.2408



40.7971, 77.4899, 50.6647

Triad

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



49.5913, 77.4899, 22.2408



60.6801, 77.4899, 255.5463



122.8861, 77.4899, 63.9960

Complementary

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



49.5913, 77.4899, 22.2408



43.7226, 26.0458, 95.6557

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.



120.6242, 77.4899, 130.4559



49.5913, 77.4899, 22.2408



81.7089, 77.4899, 265.3689

Square

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



49.5913, 77.4899, 22.2408



46.2727, 77.4899, 189.1611



104.4550, 77.4899, 211.6842



110.1343, 77.4899, 27.8614

Rectangle

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



49.5913, 77.4899, 22.2408



39.2364, 77.4899, 85.8798



104.4550, 77.4899, 211.6842



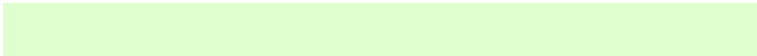
123.9108, 77.4899, 82.8846

Sweetspot

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



49.5931, 77.4932, 22.2425



77.7682, 91.8813, 72.3795



61.6024, 60.0470, 18.2421



16.1557, 19.4353, 14.4985



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.



49.5931, 77.4932, 22.2425



45.7700, 76.5902, 16.4613



42.4002, 73.6615, 27.4898



18.3961, 20.4901, 19.1297



21.1858, 38.6597, 6.3455



2.1776, 3.8234, 0.6232

Inverse Universe

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



43.7226, 26.0458, 95.6557



39.2426, 20.4402, 96.4848



58.7325, 34.1590, 79.3994



18.1136, 17.9503, 22.7600



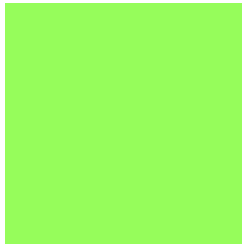
17.4014, 7.8812, 50.0387



1.8143, 0.8292, 4.8777

Previews

White Background



This preview shows how the XYZ color 49.5913, 77.4899, 22.2408 looks on a white background.

Color Contrast Check

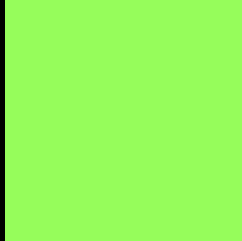
Large Text (above 18pt) WCAG AA × Fail

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 49.5913, 77.4899, 22.2408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

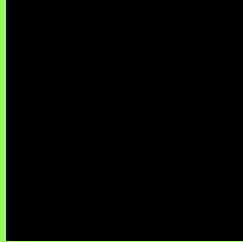
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

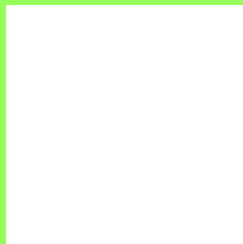
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5913, 77.4899, 22.2408

Background



This preview shows how black text looks on a background with the XYZ color 49.5913, 77.4899, 22.2408.

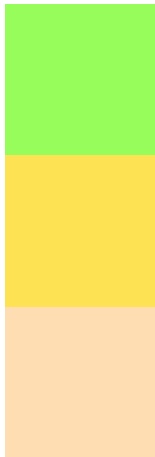


This preview shows how white text looks on a background with the XYZ color 49.5913, 77.4899,

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

49.5913, 77.4899, 22.2408

Protanopia

69.5773, 76.4609, 19.4788

Deuteranopia

75.1323, 76.1873, 52.8652



Tritanopia

66.6943, 77.2534, 106.0040

Trichromacy



Original Color

49.5913, 77.4899, 22.2408



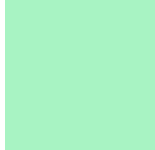
Protanomaly

60.0347, 75.2780, 20.3828



Deuteranomaly

62.9425, 75.1049, 38.3734



Tritanomaly

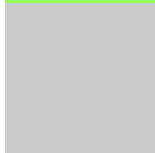
58.0494, 76.3661, 63.3104

Monochromacy



Original Color

49.5913, 77.4899, 22.2408



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.4993, 65.0772, 44.4445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5913, 77.4899, 22.2408 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(150, 253, 91)` looks like.

```
.text, #text, p{  
    color:rgb(150, 253, 91)  
}
```

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(150, 253, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 253, 91) }
```

Border

The CSS property to change the border of an element to XYZ 49.5913, 77.4899, 22.2408 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(150, 253, 91) }
```


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

```
.border{ border-color:rgb(150, 253, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 253, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 253, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 253, 91);  
box-shadow:4px 4px 4px 4px rgb(150, 253,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5913, 77.4899, 22.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 253, 91) }
```

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

```
.background{ background-color: rgb(150,  
253, 91) }
```

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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