

Converting Colors

XYZ(60.5583, 100.0000,
25.8810)

Have a look what the booklet for
XYZ(60.5583, 100.0000, 25.8810)
contains.

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Color

**XYZ(49.8182, 78.5541,
22.2096)**

Conversions

Conversions Part 1

Format	Color
Hex	94FF5A
RGB	148, 255, 90
RGB Percent	58%, 100%, 35%
CMY	0.4196, 0.0000, 0.6470
CMYK	0.42, 0.00, 0.65, 0.00
HSL	99°, 100%, 68%
HSV	99°, 65%, 100%
XYZ	49.8182, 78.5541, 22.2096
YIQ	204.1970, -10.8070, -73.9990

Conversions

Conversions Part 2

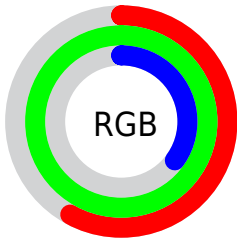
Format	Color
RYB	90, 255, 197
Decimal	9764698
CIELab	91.03, -58.21, 66.81
CIELCh	91, 88.608, 131.065
Yxy	78.5541, 0.3308, 0.5217
Android (android.graphics.Color)	4287954778 (0xFF94FF5A)
YUV	204.1970, -56.2991, -49.2848
Hunter-Lab	88.6308, -54.7713, 47.1843

Details

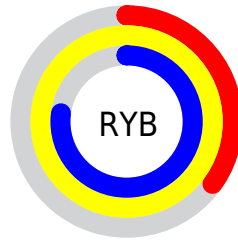
The XYZ color **49.8182, 78.5541, 22.2096** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **44.7339, 26.4042, 97.3465**, and the grayscale version is **57.8691, 60.8828, 66.3014**.

A 20% lighter version of the original color is **66.9607, 87.0052, 40.4586**, and **24.0832, 42.0333, 7.8212** is the 20% darker color. If you saturate the color by 10%, you get **46.1318, 76.7583, 17.3106**, and if you desaturate by 10%, it is **54.3045, 80.7192, 29.0907**.

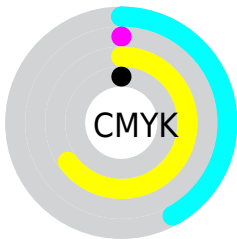
Distribution



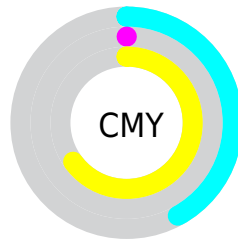
- Red (58%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (77%)



- Cyan (42%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8182, 78.5541, 22.2096 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 49.8182, 78.5541, 22.2096 by changing the saturation by 10% instead.


 49.8182, 78.5541,
22.2096


 49.8182, 78.5541,
22.2096


376.4183,
490.0466, 276.6280

 35.4862, 58.5293,
13.8112


 89.0989, 131.3309,
47.9988


 24.2059, 42.2343,
7.8522


 114.7783,
164.8517, 66.2267

 15.6120, 29.2848,
3.9141


 144.9708,
203.6400, 88.5681

 9.3391, 19.2964,
1.5783

 180.0418,
248.0800, 115.4417

 5.0219, 11.8846,
0.2753

220.3568,
298.5563, 147.2660

 2.2950, 6.6652,
0.0000

266.2809,

 0.7921, 3.2536,

355.4533, 184.4594

0.0000

318.1796,
419.1552, 227.4406

0.0000, 1.2655,
0.0000

0.0000, 0.1143,
0.0000

49.8182, 78.5541,
22.2096

49.8182, 78.5541,
22.2096

46.1318, 76.7583,
17.3106

54.3045, 80.7192,
29.0907

43.1868, 75.3063,
14.1793

59.6414, 83.2759,
38.1317

40.9151, 74.1688,
12.5576

65.8756, 86.2447,
49.4947

39.9407, 73.6752,
12.1157

73.0496, 89.6443,
63.3251

■ 81.2034, 93.4925,
79.7566

■ 90.3743, 97.8058,
98.9133

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.



66.7073, 78.5541, 12.6449



49.8182, 78.5541, 22.2096



40.9157, 78.5541, 51.4576

Triad

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



49.8182, 78.5541, 22.2096



61.5553, 78.5541, 263.0160



125.3425, 78.5541, 63.9979

Complementary

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



49.8182, 78.5541, 22.2096



44.7339, 26.4042, 97.3465

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.



123.1962, 78.5541, 132.0651



49.8182, 78.5541, 22.2096



83.2280, 78.5541, 272.3800

Square

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



49.8182, 78.5541, 22.2096



46.6977, 78.5541, 194.6827



106.6398, 78.5541, 216.1144



112.0230, 78.5541, 27.4405

Rectangle

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



49.8182, 78.5541, 22.2096



39.3814, 78.5541, 87.8426



106.6398, 78.5541, 216.1144



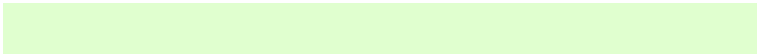
126.4650, 78.5541, 83.2624

Sweetspot

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



49.8184, 78.5542, 22.2108



77.5780, 91.7833, 72.3706



62.4894, 60.8056, 18.1171



16.1102, 19.4119, 14.4964



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.



49.8184, 78.5542, 22.2108



45.0822, 76.2431, 16.0945



42.9018, 74.8639, 27.5195



18.3738, 20.4786, 19.1287



21.0155, 38.5719, 6.3375



2.1593, 3.8139, 0.6224

Inverse Universe

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



44.7339, 26.4042, 97.3465



39.4978, 20.3833, 96.4603



59.6047, 34.4564, 80.6005



18.1367, 17.9622, 22.7611



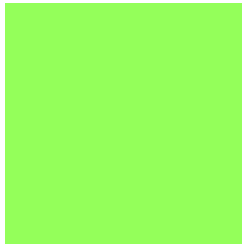
17.7476, 8.0597, 50.0549



1.8465, 0.8458, 4.8792

Previews

White Background



This preview shows how the XYZ color 49.8182, 78.5541, 22.2096 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 49.8182, 78.5541, 22.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

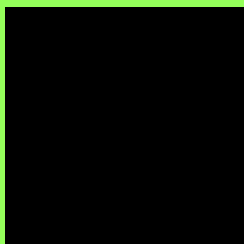
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8182, 78.5541, 22.2096

Background



This preview shows how black text looks on a background with the XYZ color 49.8182, 78.5541, 22.2096.

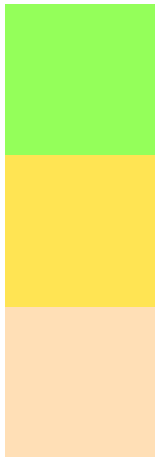


This preview shows how white text looks on a background with the XYZ color 49.8182, 78.5541,

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

49.8182, 78.5541, 22.2096

Protanopia

70.5447, 77.3713, 19.3997

Deuteranopia

76.0712, 77.4128, 55.1887



Tritanopia

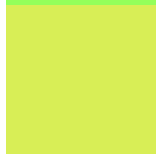
67.6806, 78.1928, 106.1333

Trichromacy



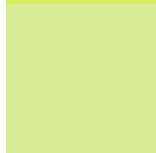
Original Color

49.8182, 78.5541, 22.2096



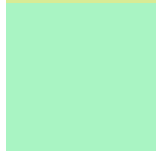
Protanomaly

60.5732, 76.4199, 20.3621



Deuteranomaly

63.4520, 76.1855, 39.7948



Tritanomaly

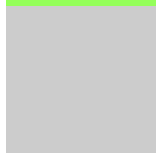
58.5632, 77.0765, 63.4204

Monochromacy



Original Color

49.8182, 78.5541, 22.2096



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.7657, 65.6100, 44.5333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8182, 78.5541, 22.2096 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(148, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 90)  
}
```

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(148, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 49.8182, 78.5541, 22.2096 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(148, 255, 90) }
```


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

```
.border{ border-color:rgb(148, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8182, 78.5541, 22.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 90) }
```

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

```
.background{ background-color: rgb(148,  
255, 90) }
```

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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