

Converting Colors

XYZ(49.9585, 78.6361, 21.7777)

Have a look what the booklet for
XYZ(49.9585, 78.6361, 21.7777)
contains.

XYZ(49.9159, 78.6141, 21.7757)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9159, 78.6141,
21.7757)**

Conversions

Conversions Part 1

Format	Color
Hex	95FF58
RGB	149, 255, 88
RGB Percent	58%, 100%, 35%
CMY	0.4157, 0.0000, 0.6549
CMYK	0.42, 0.00, 0.65, 0.00
HSL	98°, 100%, 67%
HSV	98°, 65%, 100%
XYZ	49.9159, 78.6141, 21.7757
YIQ	204.2680, -9.5690, -74.4090

Conversions

Conversions Part 2

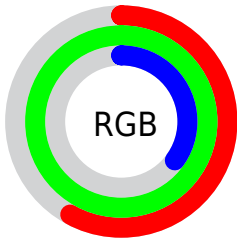
Format	Color
RYB	88, 255, 194
Decimal	9830232
CIELab	91.06, -58.06, 67.63
CIElCh	91, 89.132, 130.649
Yxy	78.6141, 0.3321, 0.5230
Android (android.graphics.Color)	4288020312 (0xFF95FF58)
YUV	204.2680, -57.3201, -48.4700
Hunter-Lab	88.6646, -54.6721, 47.5038

Details

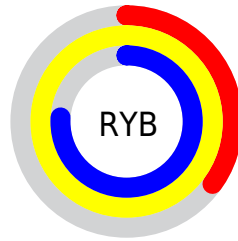
The XYZ color **49.9159, 78.6141, 21.7757** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **43.7896, 25.6703, 97.2546**, and the grayscale version is **57.9200, 60.9363, 66.3597**.

A 20% lighter version of the original color is **67.1653, 87.1196, 40.0638**, and **24.1356, 42.0651, 7.6064** is the 20% darker color. If you saturate the color by 10%, you get **46.2870, 76.8448, 17.0234**, and if you desaturate by 10%, it is **54.3250, 80.7430, 28.4941**.

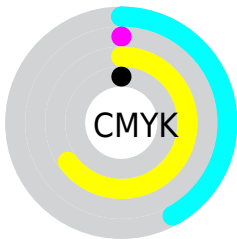
Distribution



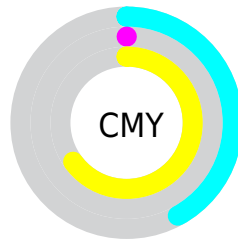
- Red (58%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (76%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9159, 78.6141, 21.7757 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 49.9159, 78.6141, 21.7757 by changing the saturation by 10% instead.


 49.9159, 78.6141,
21.7757

 49.9159, 78.6141,
21.7757


376.7944,
490.2499, 274.2879

 35.5641, 58.5786,
13.4954


 89.2428, 131.4155,
47.2724


 24.2663, 42.2740,
7.6359


 114.9487,
164.9501, 65.3260

 15.6571, 29.3159,
3.7784


 145.1699,
203.7532, 87.4744

 9.3711, 19.3199,
1.5046

 180.2719,
248.2092, 114.1361

 5.0431, 11.9017,
0.2213

220.6200,
298.7024, 145.7298

 2.3076, 6.6768,
0.0000

266.5795,

 0.7985, 3.2608,

355.6174, 182.6740

0.0000

318.5159,
419.3384, 225.3872

0.0000, 1.2693,
0.0000

0.0000, 0.1173,
0.0000

49.9159, 78.6141,
21.7757

49.9159, 78.6141,
21.7757

46.2870, 76.8448,
17.0234

54.3250, 80.7430,
28.4941

43.3803, 75.4098,
14.0199

59.5641, 83.2531,
37.3582

41.1279, 74.2799,
12.5020

65.6791, 86.1645,
48.5315

40.2883, 73.8544,
12.1319

72.7119, 89.4957,
62.1603

■ 80.7017, 93.2639,
78.3792

■ 89.6850, 97.4852,
97.3129

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.



67.0019, 78.6141, 12.4173



49.9159, 78.6141, 21.7757



40.8619, 78.6141, 50.7327

Triad

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



49.9159, 78.6141, 21.7757



61.2721, 78.6141, 263.9873



125.8599, 78.6141, 64.6680

Complementary

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



49.9159, 78.6141, 21.7757



43.7896, 25.6703, 97.2546

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.



123.4679, 78.6141, 133.6110



49.9159, 78.6141, 21.7757



83.0099, 78.6141, 274.4409

Square

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



49.9159, 78.6141, 21.7757



46.4491, 78.6141, 194.4447



106.6222, 78.6141, 218.3551



112.6198, 78.6141, 27.5664

Rectangle

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



49.9159, 78.6141, 21.7757



39.2497, 78.6141, 87.0087



106.6222, 78.6141, 218.3551



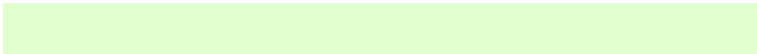
126.9145, 78.6141, 84.2015

Sweetspot

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



49.9162, 78.6143, 21.7769



76.9759, 91.5086, 70.7326



62.2420, 60.4453, 17.6203



16.0008, 19.3624, 14.1788



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.



49.9162, 78.6143, 21.7769



45.1871, 76.3041, 15.7814



42.6143, 74.7267, 27.0071



18.3980, 20.4911, 19.1298



21.2007, 38.6674, 6.3462



2.1792, 3.8242, 0.6233

Inverse Universe

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



43.7896, 25.6703, 97.2546



38.5031, 19.6913, 96.3792



59.4002, 34.1083, 80.3446



18.1116, 17.9493, 22.7599



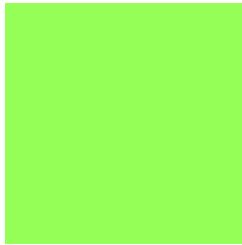
17.3723, 7.8662, 50.0373



1.8116, 0.8278, 4.8776

Previews

White Background



This preview shows how the XYZ color 49.9159, 78.6141, 21.7757 looks on a white background.

Color Contrast Check

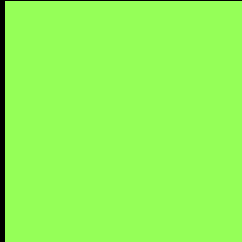
Large Text (above 18pt) WCAG AA × Fail

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 49.9159, 78.6141, 21.7757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

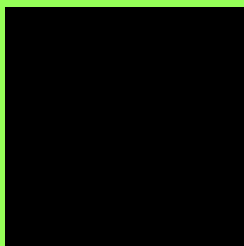
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

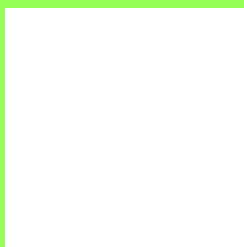
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9159, 78.6141, 21.7757

Background



This preview shows how black text looks on a background with the XYZ color 49.9159, 78.6141, 21.7757.



This preview shows how white text looks on a background with the XYZ color 49.9159, 78.6141,

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

49.9159, 78.6141, 21.7757

Protanopia

70.4686, 77.3409, 18.9988

Deuteranopia

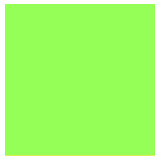
76.0712, 77.4128, 55.1887



Tritanopia

67.9159, 78.3142, 106.1443

Trichromacy



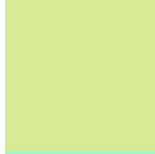
Original Color

49.9159, 78.6141, 21.7757



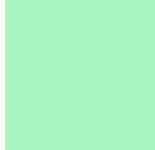
Protanomaly

60.4937, 76.3881, 19.9435



Deuteranomaly

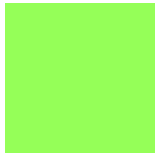
63.3725, 76.1537, 39.3760



Tritanomaly

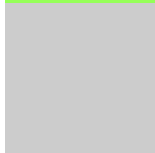
58.6659, 77.1425, 62.8369

Monochromacy



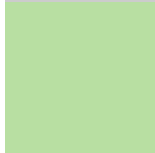
Original Color

49.9159, 78.6141, 21.7757



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.6764, 65.5743, 44.0632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9159, 78.6141, 21.7757 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(149, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 88)  
}
```

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(149, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 88) }
```

Border

The CSS property to change the border of an element to XYZ 49.9159, 78.6141, 21.7757 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(149, 255, 88) }
```


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

```
.border{ border-color:rgb(149, 255, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9159, 78.6141, 21.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 88) }
```

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

```
.background{ background-color: rgb(149,  
255, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor