

Converting Colors

XYZ(49.9116, 78.1568, 42.3375)

Have a look what the booklet for
XYZ(49.9116, 78.1568, 42.3375)
contains.

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Color

**XYZ(49.8849, 78.1470,
42.1604)**

Conversions

Conversions Part 1

Format	Color
Hex	7DFF98
RGB	125, 255, 152
RGB Percent	49%, 100%, 60%
CMY	0.5098, 0.0000, 0.4039
CMYK	0.51, 0.00, 0.40, 0.00
HSL	132°, 100%, 75%
HSV	132°, 51%, 100%
XYZ	49.8849, 78.1470, 42.1604
YIQ	204.3880, -44.4170, -59.5930

Conversions

Conversions Part 2

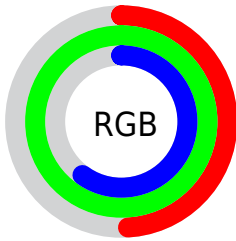
Format	Color
RYB	125, 233, 255
Decimal	8257432
CIELab	90.85, -57.23, 38.45
CIElCh	91, 68.944, 146.108
Yxy	78.1470, 0.2931, 0.4592
Android (android.graphics.Color)	4286447512 (0xFF7DFF98)
YUV	204.3880, -25.8273, -69.6233
Hunter-Lab	88.4008, -53.9732, 33.6038

Details

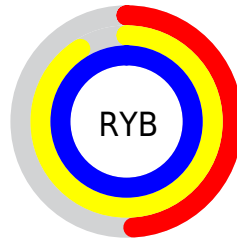
The XYZ color **49.8849, 78.1470, 42.1604** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.5771, 41.5289, 78.1152**, and the grayscale version is **57.8184, 60.8295, 66.2433**.

A 20% lighter version of the original color is **67.0301, 86.3393, 72.1638**, and **24.1910, 41.8447, 18.8584** is the 20% darker color. If you saturate the color by 10%, you get **45.1116, 75.8614, 34.0230**, and if you desaturate by 10%, it is **55.8963, 81.0382, 51.8296**.

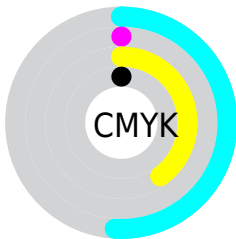
Distribution



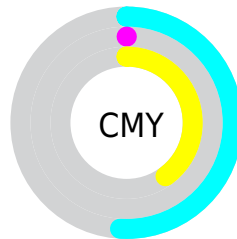
- Red (49%)
- Green (100%)
- Blue (60%)



- Red (49%)
- Yellow (91%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8849, 78.1470, 42.1604 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 49.8849, 78.1470, 42.1604 by changing the saturation by 10% instead.

 49.8849, 78.1470,
42.1604

 49.8849, 78.1470,
42.1604


376.6751,
488.6659, 370.9667


 35.5394, 58.1947,
28.9004


 89.1972, 130.7573,
79.7150

 24.2471, 41.9652,
18.7606


 114.8946,
164.1842, 104.8468

 15.6428, 29.0741,
11.3223


 145.1067,
202.8714, 134.7728

 9.3610, 19.1369,
6.1672

180.1989,
247.2033, 169.9117

 5.0363, 11.7692,
2.8766

220.5365,
297.5643, 210.6820

 2.3036, 6.5867,
1.0320

266.4848,

 0.7965, 3.2050,

354.3388, 257.5022

0.0000

318.4092,
417.9112, 310.7909

0.0000, 1.2397,
0.0000

0.0000, 0.0938,
0.0000

49.8849, 78.1470,
42.1604

49.8849, 78.1470,
42.1604

45.1116, 75.8614,
34.0230

55.8963, 81.0382,
51.8296

41.4863, 74.1368,
27.3348

63.2246, 84.5742,
63.0997

38.9080, 72.9228,
22.0114

71.9435, 88.7915,
76.0403

37.2568, 72.1595,
17.9576

82.1207, 93.7238,
90.7158

■ 36.4018, 71.7767,
15.2997

93.8194, 99.4023,
107.1871

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.



60.5427, 78.1470, 24.9028



49.8849, 78.1470, 42.1604



45.7188, 78.1470, 78.7674

Triad

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



49.8849, 78.1470, 42.1604



72.0350, 78.1470, 220.4208



108.4375, 78.1470, 49.5917

Complementary

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



49.8849, 78.1470, 42.1604



62.5771, 41.5289, 78.1152

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.



112.7752, 78.1470, 91.7397



49.8849, 78.1470, 42.1604



89.9441, 78.1470, 202.9346

Square

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



49.8849, 78.1470, 42.1604



57.1847, 78.1470, 191.5775



105.5496, 78.1470, 150.2527



94.4737, 78.1470, 27.8721

Rectangle

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



49.8849, 78.1470, 42.1604



46.6166, 78.1470, 114.4417



105.5496, 78.1470, 150.2527



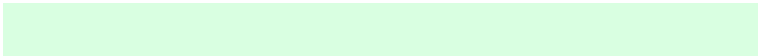
111.1547, 78.1470, 61.2402

Sweetspot

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



49.8853, 78.1471, 42.1616



77.8500, 91.6530, 84.6037



71.7749, 89.6587, 32.9253



16.2045, 19.3953, 17.4472



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.



49.8853, 78.1471, 42.1616



45.1033, 75.8574, 34.0081



56.6123, 80.8379, 77.5855



17.9259, 20.2299, 19.9126



19.0637, 37.5221, 8.2207



1.8935, 3.6683, 0.9972

Inverse Universe

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



62.5771, 41.5289, 78.1152



59.0223, 35.5803, 73.3508



55.2747, 38.6079, 39.6611



18.6215, 18.2319, 21.8901



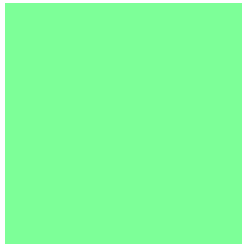
27.1775, 13.3603, 30.6490



2.6849, 1.3163, 3.1880

Previews

White Background



This preview shows how the XYZ color 49.8849, 78.1470, 42.1604 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 49.8849, 78.1470, 42.1604 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 49.8849, 78.1470, 42.1604

Background



This preview shows how black text looks on a background with the XYZ color 49.8849, 78.1470, 42.1604.

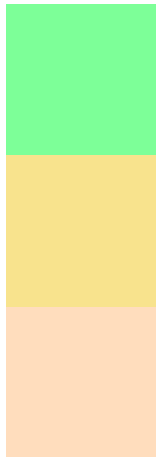


This preview shows how white text looks on a background with the XYZ color 49.8849, 78.1470,

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

49.8849, 78.1470, 42.1604

Protanopia

70.9882, 76.8177, 36.2851

Deuteranopia

76.2818, 76.6470, 58.9180



Tritanopia

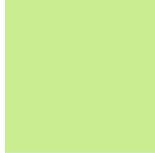
65.4941, 77.4991, 106.1147

Trichromacy



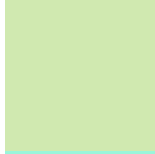
Original Color

49.8849, 78.1470, 42.1604



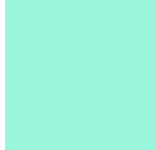
Protanomaly

60.0236, 75.3092, 38.1606



Deuteranomaly

62.9878, 74.8223, 52.1966



Tritanomaly

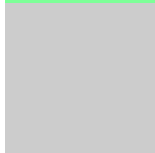
58.6337, 77.2368, 78.1475

Monochromacy



Original Color

49.8849, 78.1470, 42.1604



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.8238, 65.3921, 55.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8849, 78.1470, 42.1604 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(125, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 152)  
}
```

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(125, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.8849, 78.1470, 42.1604 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(125, 255, 152) }
```


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

```
.border{ border-color:rgb(125, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8849, 78.1470, 42.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 152) }
```

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

```
.background{ background-color: rgb(125,  
255, 152) }
```

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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