

Converting Colors

XYZ(49.8779, 78.1704, 40.9352)

Have a look what the booklet for
XYZ(49.8779, 78.1704, 40.9352)
contains.

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Color

**XYZ(49.9372, 78.2020,
40.8963)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFF95
RGB	127, 255, 149
RGB Percent	50%, 100%, 58%
CMY	0.5020, 0.0000, 0.4157
CMYK	0.50, 0.00, 0.42, 0.00
HSL	130°, 100%, 75%
HSV	130°, 50%, 100%
XYZ	49.9372, 78.2020, 40.8963
YIQ	204.6440, -42.2620, -60.1020

Conversions

Conversions Part 2

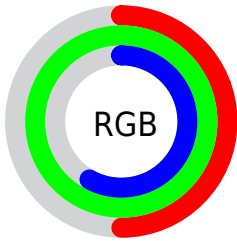
Format	Color
RYB	127, 236, 255
Decimal	8388501
CIELab	90.87, -57.20, 39.96
CIELCh	91, 69.773, 145.060
Yxy	78.2020, 0.2954, 0.4626
Android (android.graphics.Color)	4286578581 (0xFF7FFF95)
YUV	204.6440, -27.4325, -68.0938
Hunter-Lab	88.4319, -53.9575, 34.4830

Details

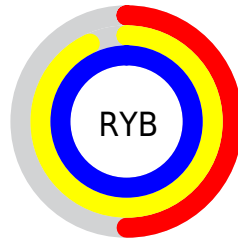
The XYZ color **49.9372, 78.2020, 40.8963** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **63.5372, 42.3221, 81.9096**, and the grayscale version is **57.9899, 61.0099, 66.4397**.

A 20% lighter version of the original color is **67.1526, 86.4444, 70.2729**, and **24.2383, 41.8856, 18.1165** is the 20% darker color. If you saturate the color by 10%, you get **45.0719, 75.8712, 32.6519**, and if you desaturate by 10%, it is **56.0699, 81.1507, 50.7981**.

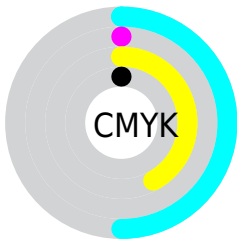
Distribution



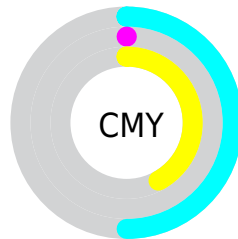
- Red (50%)
- Green (100%)
- Blue (58%)



- Red (50%)
- Yellow (93%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9372, 78.2020, 40.8963 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 49.9372, 78.2020, 40.8963 by changing the saturation by 10% instead.


 49.9372, 78.2020,
40.8963


 49.9372, 78.2020,
40.8963


376.8764,
488.8526, 365.5508


 35.5811, 58.2399,
27.9190


 89.2742, 130.8348,
77.7784

 24.2794, 42.0016,
18.0261


 114.9858,
164.2744, 102.5203

 15.6669, 29.1025,
10.7991


 145.2133,
202.9752, 132.0207

 9.3781, 19.1584,
5.8194

180.3220,
247.3218, 166.6983

 5.0477, 11.7848,
2.6686

220.6773,
297.6984, 206.9716

 2.3103, 6.5973,
0.9276

266.6446,

 0.7999, 3.2116,

354.4894, 253.2591

0.0000

318.5891,
418.0794, 305.9793

0.0000, 1.2432,
0.0000

0.0000, 0.0965,
0.0000

49.9372, 78.2020,
40.8963

49.9372, 78.2020,
40.8963

45.0719, 75.8712,
32.6519

56.0699, 81.1507,
50.7981

41.3823, 74.1132,
25.9706

63.5504, 84.7571,
62.4371

38.7660, 72.8772,
20.7544

72.4536, 89.0583,
75.8925

37.1017, 72.1030,
16.8926

82.8487, 94.0883,
91.2376

■ 36.2115, 71.7006,
14.2974

94.8002, 99.8789,
108.5415

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.



60.9210, 78.2020, 24.1456



49.9372, 78.2020, 40.8963



45.5018, 78.2020, 77.0879

Triad

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



49.9372, 78.2020, 40.8963



71.4580, 78.2020, 222.4453



109.3138, 78.2020, 50.3977

Complementary

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



49.9372, 78.2020, 40.8963



63.5372, 42.3221, 81.9096

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.



113.3111, 78.2020, 93.7526



49.9372, 78.2020, 40.8963



89.5720, 78.2020, 206.2640

Square

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



49.9372, 78.2020, 40.8963



56.6148, 78.2020, 191.6021



105.5956, 78.2020, 153.4291



95.3985, 78.2020, 27.9222

Rectangle

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



49.9372, 78.2020, 40.8963



46.2517, 78.2020, 112.8356



105.5956, 78.2020, 153.4291



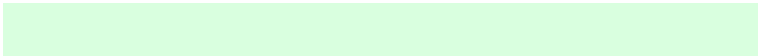
111.9462, 78.2020, 62.4074

Sweetspot

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



49.9376, 78.2021, 40.8975



77.6641, 91.5787, 83.6250



73.4132, 90.4884, 33.6758



16.1603, 19.3776, 17.2144



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.



49.9376, 78.2021, 40.8975



45.1555, 75.9112, 32.7979



56.4384, 80.8024, 75.1301



17.8990, 20.2191, 19.7709



18.9581, 37.4798, 7.6648



1.8795, 3.6627, 0.9233

Inverse Universe

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



63.5372, 42.3221, 81.9096



60.0925, 36.4032, 77.7691



56.0538, 39.3287, 42.5023



18.6507, 18.2436, 22.0439



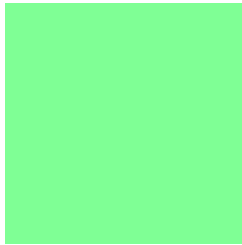
27.7528, 13.5904, 33.6781



2.7360, 1.3368, 3.4569

Previews

White Background



This preview shows how the XYZ color 49.9372, 78.2020, 40.8963 looks on a white background.

Color Contrast Check

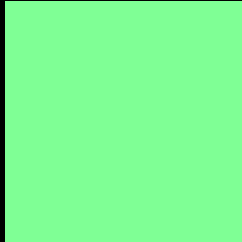
Large Text (above 18pt) WCAG AA × Fail

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 49.9372, 78.2020, 40.8963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

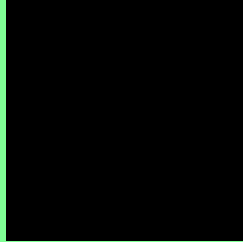
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9372, 78.2020, 40.8963

Background



This preview shows how black text looks on a background with the XYZ color 49.9372, 78.2020, 40.8963.

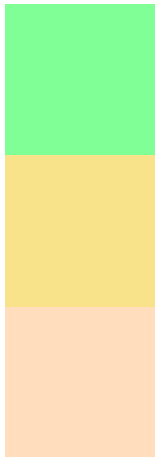


This preview shows how white text looks on a background with the XYZ color 49.9372, 78.2020,

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

49.9372, 78.2020, 40.8963

Protanopia

70.7679, 76.7296, 35.1252

Deuteranopia

76.2818, 76.6470, 58.9180



Tritanopia

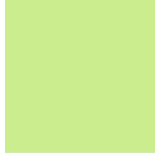
65.7111, 77.6109, 106.1248

Trichromacy



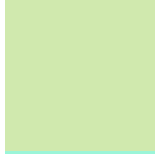
Original Color

49.9372, 78.2020, 40.8963



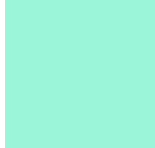
Protanomaly

60.0685, 75.3587, 36.9709



Deuteranomaly

62.7913, 74.7437, 51.1619



Tritanomaly

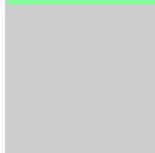
58.5646, 77.2312, 76.7862

Monochromacy



Original Color

49.9372, 78.2020, 40.8963



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.2761, 65.6252, 55.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9372, 78.2020, 40.8963 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(127, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 149)  
}
```

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(127, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 49.9372, 78.2020, 40.8963 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(127, 255, 149) }
```


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

```
.border{ border-color:rgb(127, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 255, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 255, 149); box-shadow:4px 4px 4px 4px rgb(127, 255, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9372, 78.2020, 40.8963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 149) }
```

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

```
.background{ background-color: rgb(127,  
255, 149) }
```

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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