

Converting Colors

XYZ(57.6552, 94.6145, 52.5278)

Have a look what the booklet for
XYZ(57.6552, 94.6145, 52.5278)
contains.

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Color

**XYZ(49.2281, 77.6358,
49.9267)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFFA9
RGB	109, 255, 169
RGB Percent	43%, 100%, 66%
CMY	0.5725, 0.0000, 0.3372
CMYK	0.57, 0.00, 0.34, 0.00
HSL	145°, 100%, 71%
HSV	145°, 57%, 100%
XYZ	49.2281, 77.6358, 49.9267
YIQ	201.5420, -59.4100, -57.6980

Conversions

Conversions Part 2

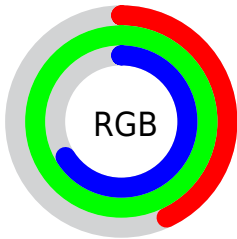
Format	Color
RYB	109, 212, 255
Decimal	7208873
CIELab	90.61, -58.00, 29.59
CIELCh	91, 65.114, 152.970
Yxy	77.6358, 0.2785, 0.4391
Android (android.graphics.Color)	4285398953 (0xFF6DFFA9)
YUV	201.5420, -16.0432, -81.1593
Hunter-Lab	88.1112, -54.4658, 28.0822

Details

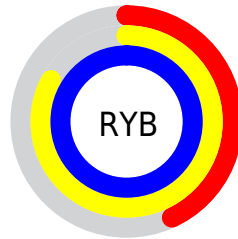
The XYZ color **49.2281, 77.6358, 49.9267** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.5592, 36.1380, 55.6241**, and the grayscale version is **55.9769, 58.8921, 64.1335**.

A 20% lighter version of the original color is **65.9282, 85.5023, 84.2630**, and **23.7783, 41.5335, 23.2865** is the 20% darker color. If you saturate the color by 10%, you get **45.2030, 75.7144, 42.7959**, and if you desaturate by 10%, it is **54.3259, 80.0914, 57.9559**.

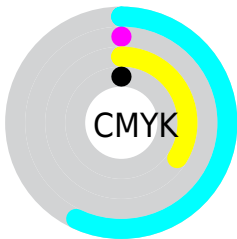
Distribution



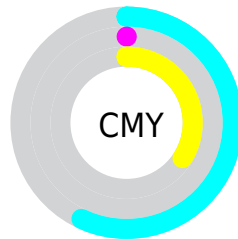
- Red (43%)
- Green (100%)
- Blue (66%)



- Red (43%)
- Yellow (83%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2281, 77.6358, 49.9267 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 49.2281, 77.6358, 49.9267 by changing the saturation by 10% instead.


 49.2281, 77.6358,
49.9267


 49.2281, 77.6358,
49.9267


374.1417,
486.9291, 403.1061


 35.0157, 57.7748,
34.9844


 88.2288, 130.0366,
91.4614

 23.8416, 41.6277,
23.3674


 113.7479,
163.3452, 118.8910

 15.3402, 28.8099,
14.6572


 143.7666,
201.9052, 151.3200

 9.1464, 18.9370,
8.4352

178.6502,
246.1009, 189.1670

 4.8947, 11.6248,
4.2829

218.7642,
296.3168, 232.8506

 2.2197, 6.4887,
1.7818

264.4739,

 0.7531, 3.1445,

352.9371, 282.7892

0.4159

316.1446,
416.3464, 339.4016

■ 0.0000, 1.2076,
0.0000

■ 0.0000, 0.0679,
0.0000

■ 49.2281, 77.6358,
49.9267

■ 49.2281, 77.6358,
49.9267

■ 45.2030, 75.7144,
42.7959

■ 54.3259, 80.0914,
57.9559

■ 42.1625, 74.2826,
36.5272


■ 60.5715, 83.1194,
66.9104


■ 40.0058, 73.2889,
31.0870

■ 68.0348, 86.7552,
76.8206

■ 38.6037, 72.6676,
26.4373

■ 76.7793, 91.0311,
87.7143

 38.2993, 72.5357,
25.2920

 86.8642, 95.9770,
99.6182

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.



58.0031, 77.6358, 29.3456



49.2281, 77.6358, 49.9267



46.6893, 77.6358, 89.2725

Triad

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



49.2281, 77.6358, 49.9267



75.4276, 77.6358, 209.7222



103.3581, 77.6358, 44.4640

Complementary

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



49.2281, 77.6358, 49.9267



56.5592, 36.1380, 55.6241

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.



109.7568, 77.6358, 79.9627



49.2281, 77.6358, 49.9267



92.2104, 77.6358, 184.5138

Square

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



49.2281, 77.6358, 49.9267



60.4338, 77.6358, 192.4570



105.4060, 77.6358, 132.2820



88.9830, 77.6358, 27.1061

Rectangle

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



49.2281, 77.6358, 49.9267



48.5145, 77.6358, 124.6586



105.4060, 77.6358, 132.2820



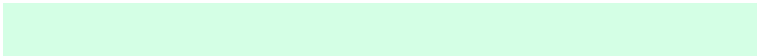
106.6017, 77.6358, 54.0982

Sweetspot

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



49.2287, 77.6360, 49.9280



77.0185, 91.1483, 88.0039



61.4421, 84.4407, 27.5291



16.0850, 19.3136, 18.3497



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.



49.2287, 77.6360, 49.9280



44.6038, 75.4305, 41.6401



57.8547, 81.0865, 95.3522



18.0811, 20.2920, 20.7298



20.0820, 37.9294, 13.5832



2.0080, 3.7141, 1.6001

Inverse Universe

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



56.5592, 36.1380, 55.6241



52.5547, 30.2652, 47.7029



50.3219, 33.6430, 22.7787



18.4583, 18.1666, 21.0306



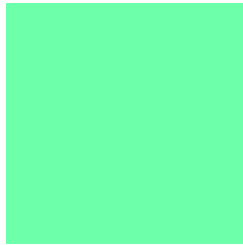
24.5099, 12.2933, 16.6015



2.4408, 1.2187, 1.9025

Previews

White Background



This preview shows how the XYZ color 49.2281, 77.6358, 49.9267 looks on a white background.

Color Contrast Check

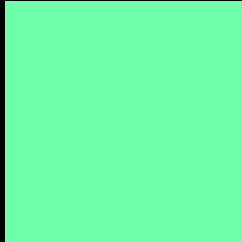
Large Text (above 18pt) WCAG AA × Fail

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 49.2281, 77.6358, 49.9267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

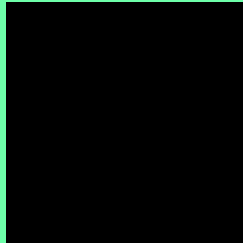
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2281, 77.6358, 49.9267

Background



This preview shows how black text looks on a background with the XYZ color 49.2281, 77.6358, 49.9267.



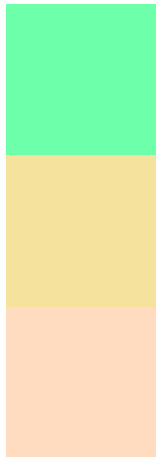
This preview shows how white text looks on a background with the XYZ color 49.2281, 77.6358,

49.9267.

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

49.2281, 77.6358, 49.9267

Protanopia

70.9383, 76.2395, 42.8751

Deuteranopia

76.3476, 76.2522, 60.5634



Tritanopia

64.3143, 77.3267, 106.1436

Trichromacy



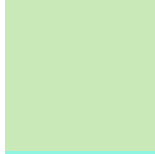
Original Color

49.2281, 77.6358, 49.9267



Protanomaly

59.4822, 74.8773, 45.0359



Deuteranomaly

62.1478, 74.2951, 56.4122



Tritanomaly

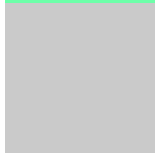
57.4346, 76.5263, 82.2649

Monochromacy



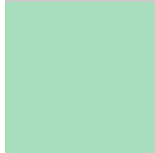
Original Color

49.2281, 77.6358, 49.9267



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.2992, 63.7554, 58.3175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2281, 77.6358, 49.9267 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(109, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 169)  
}
```

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(109, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.2281, 77.6358, 49.9267 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(109, 255, 169) }
```


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

```
.border{ border-color:rgb(109, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2281, 77.6358, 49.9267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 169) }
```

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

```
.background{ background-color: rgb(109,  
255, 169) }
```

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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