

Converting Colors

XYZ(49.0953, 76.2606, 69.5075)

Have a look what the booklet for
XYZ(49.0953, 76.2606, 69.5075)
contains.

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Color

**XYZ(49.0049, 76.1467,
69.2417)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFDCC
RGB	76, 253, 204
RGB Percent	30%, 99%, 80%
CMY	0.7019, 0.0078, 0.2000
CMYK	0.70, 0.00, 0.19, 0.01
HSL	163°, 98%, 65%
HSV	163°, 70%, 99%
XYZ	49.0049, 76.1467, 69.2417
YIQ	194.4910, -89.7630, -52.7630

Conversions

Conversions Part 2

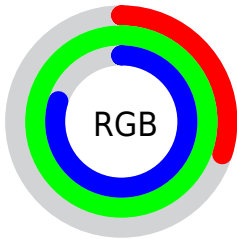
Format	Color
RYB	76, 179, 253
Decimal	5045708
CIELab	89.93, -55.65, 10.65
CIELCh	90, 56.661, 169.171
Yxy	76.1467, 0.2521, 0.3917
Android (android.graphics.Color)	4283235788 (0xFF4CFDCC)
YUV	194.4910, 4.6879, -103.9166
Hunter-Lab	87.2621, -52.4661, 14.0374

Details

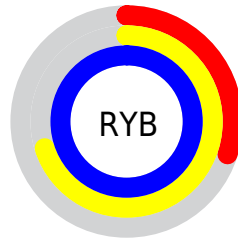
The XYZ color **49.0049, 76.1467, 69.2417** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.7968, 27.5343, 22.2535**, and the grayscale version is **51.5827, 54.2690, 59.0989**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **25.0201, 41.2322, 35.4941** is the 20% darker color. If you saturate the color by 10%, you get **46.5549, 74.9805, 64.8409**, and if you desaturate by 10%, it is **52.2867, 77.7411, 73.8821**.

Distribution



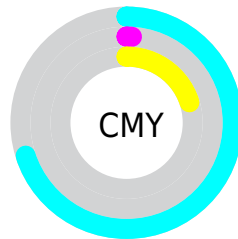
- Red (30%)
- Green (99%)
- Blue (80%)



- Red (30%)
- Yellow (70%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (70%)
- Magenta (1%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0049, 76.1467, 69.2417 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 49.0049, 76.1467, 69.2417 by changing the saturation by 10% instead.


 49.0049, 76.1467,
69.2417


 49.0049, 76.1467,
69.2417

373.2782,
481.8497, 476.6000


 34.8379, 56.5528,
50.4356


 87.8994, 127.9343,
119.7977


 23.7040, 40.6463,
35.3860


 113.3576,
160.8967, 152.3846

 15.2377, 28.0428,
23.6745


 143.3103,
199.0841, 190.4023

 9.0738, 18.3579,
14.8823

 178.1229,
242.8809, 234.2692

 4.8468, 11.2073,
8.5912

218.1606,
292.6715, 284.4039

 2.1915, 6.2064,
4.3823

263.7888,

 0.7383, 2.9710,

348.8402, 341.2249

1.8373

315.3729,
411.7715, 405.1507

■ 0.0000, 1.1166,
0.4524

■ 0.0000, 0.0000,
0.0000

■ 49.0049, 76.1467,
69.2417

■ 49.0049, 76.1467,
69.2417

■ 46.5549, 74.9805,
64.8409

■ 52.2867, 77.7411,
73.8821

■ 44.8311, 74.1824,
60.6670


■ 56.4771, 79.7977,
78.7631


■ 43.6740, 73.6722,
56.7118


■ 61.6511, 82.3568,
83.8924


■ 43.6696, 73.6703,
56.6956

■ 67.8741, 85.4522,
89.2755

 75.2055, 89.1144,
94.9174

 83.7003, 93.3717,
100.8232

 93.4098, 98.2505,
106.9976

 94.4166, 98.7331,
108.6889

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8415, 76.1467, 42.0003



49.0049, 76.1467, 69.2417



49.7914, 76.1467, 110.9218

Triad

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



49.0049, 76.1467, 69.2417



81.5891, 76.1467, 179.2442



91.4596, 76.1467, 37.1551

Complementary

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



49.0049, 76.1467, 69.2417



46.7968, 27.5343, 22.2535

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.



100.9253, 76.1467, 60.0635



49.0049, 76.1467, 69.2417



94.7378, 76.1467, 144.2885

Square

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



49.0049, 76.1467, 69.2417



67.4301, 76.1467, 184.1462



102.1969, 76.1467, 98.2700



77.5563, 76.1467, 27.8671

Rectangle

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



49.0049, 76.1467, 69.2417



53.4312, 76.1467, 141.8288



102.1969, 76.1467, 98.2700



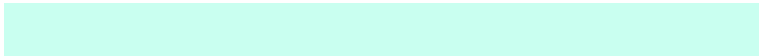
95.3385, 76.1467, 43.0962

Sweetspot

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



49.0070, 76.1497, 69.2435



75.7227, 90.3016, 96.0130



45.0586, 75.2226, 18.9834



15.7489, 19.0988, 20.2071



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.



49.0070, 76.1497, 69.2435



46.5960, 75.9591, 64.2503



44.9240, 57.0542, 101.5767



18.3277, 20.3906, 22.0287



23.2947, 39.2145, 30.5009



2.3145, 3.8367, 3.2138

Inverse Universe

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



46.7968, 27.5343, 22.2535



44.3312, 23.7542, 14.3310



47.8719, 33.5206, 10.7859



18.2160, 18.0697, 19.7546



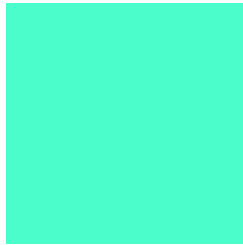
22.1902, 11.3654, 4.3861



2.2045, 1.1242, 0.6581

Previews

White Background



This preview shows how the XYZ color 49.0049, 76.1467, 69.2417 looks on a white background.

Color Contrast Check

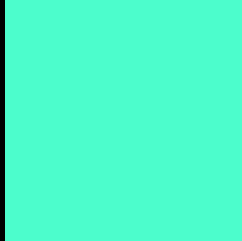
Large Text (above 18pt) WCAG AA × Fail

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 49.0049, 76.1467, 69.2417 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

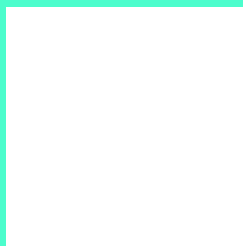
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0049, 76.1467, 69.2417

Background



This preview shows how black text looks on a background with the XYZ color 49.0049, 76.1467, 69.2417.

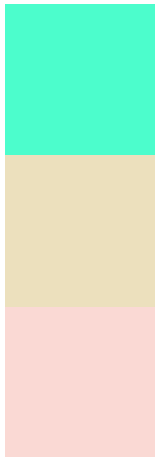


This preview shows how white text looks on a background with the XYZ color 49.0049, 76.1467, 69.2417.

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

49.0049, 76.1467, 69.2417

Protanopia

70.4330, 74.8183, 58.8733

Deuteranopia

76.1209, 74.7032, 72.6945



Tritanopia

61.2427, 75.7432, 105.9998

Trichromacy



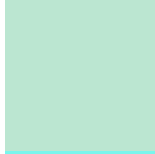
Original Color

49.0049, 76.1467, 69.2417



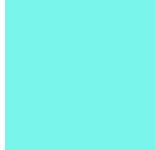
Protanomaly

57.8060, 72.7767, 62.0395



Deuteranomaly

60.2990, 71.7619, 70.9949



Tritanomaly

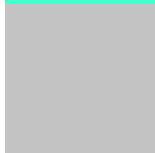
55.6779, 75.4259, 90.9810

Monochromacy



Original Color

49.0049, 76.1467, 69.2417



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.2560, 59.2574, 62.3732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0049, 76.1467, 69.2417 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(76, 253, 204)` looks like.

```
.text, #text, p{  
    color:rgb(76, 253, 204)  
}
```

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(76, 253, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 253, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.0049, 76.1467, 69.2417 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(76, 253, 204) }
```


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

```
.border{ border-color:rgb(76, 253, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 253, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 253, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 253, 204);  
box-shadow:4px 4px 4px 4px rgb(76, 253,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0049, 76.1467, 69.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 253, 204) }
```

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

```
.background{ background-color: rgb(76, 253,  
204) }
```

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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