

Converting Colors

XYZ(49.0292, 76.8754, 79.6372)

Have a look what the booklet for
XYZ(49.0292, 76.8754, 79.6372)
contains.

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Color

**XYZ(49.1043, 76.9069,
79.9666)**

Conversions

Conversions Part 1

Format	Color
Hex	1AFFDC
RGB	26, 255, 220
RGB Percent	10%, 100%, 86%
CMY	0.8979, 0.0000, 0.1372
CMYK	0.90, 0.00, 0.14, 0.00
HSL	171°, 100%, 55%
HSV	171°, 90%, 100%
XYZ	49.1043, 76.9069, 79.9666
YIQ	182.5390, -125.2490, -59.4330

Conversions

Conversions Part 2

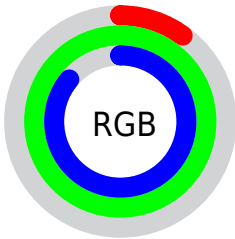
Format	Color
R _Y B	26, 150, 255
Decimal	1769436
CIE Lab	90.28, -56.90, 2.79
CIE LCh	90, 56.964, 177.189
Yxy	76.9069, 0.2384, 0.3734
Android (android.graphics.Color)	4279959516 (0xFF1AFFDC)
YUV	182.5390, 18.4683, -137.2847
Hunter-Lab	87.6966, -53.5208, 7.3237

Details

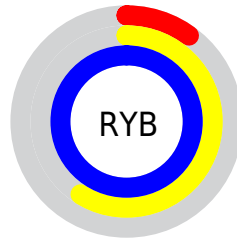
The XYZ color **49.1043, 76.9069, 79.9666** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **42.4531, 22.3373, 6.4927**, and the grayscale version is **44.7130, 47.0416, 51.2283**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **26.7578, 42.6491, 42.4191** is the 20% darker color. If you saturate the color by 10%, you get **48.1748, 76.4867, 77.2608**, and if you desaturate by 10%, it is **50.5930, 77.6140, 82.7641**.

Distribution



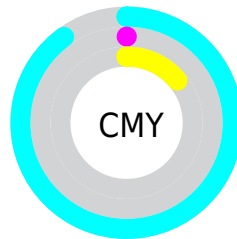
- Red (10%)
- Green (100%)
- Blue (86%)



- Red (10%)
- Yellow (59%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1043, 76.9069, 79.9666 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 49.1043, 76.9069, 79.9666 by changing the saturation by 10% instead.


 49.1043, 76.9069,
79.9666


 49.1043, 76.9069,
79.9666


373.6629,
484.4465, 514.5241


 34.9171, 57.1765,
59.1649


 88.0461, 129.0081,
135.1297

 23.7652, 41.1469,
42.3250


 113.5315,
162.1476, 170.3282

 15.2834, 28.4339,
29.0284


 143.5136,
200.5256, 211.1627

 9.1061, 18.6530,
18.8565

 178.3578,
244.5264, 258.0518

 4.8681, 11.4198,
11.3909

218.4295,
294.5346, 311.4139

 2.2040, 6.3500,
6.2129

264.0940,

 0.7449, 3.0590,

350.9344, 371.6676

2.9041

315.7167,
414.1102, 439.2315

■ 0.0000, 1.1626,
1.0459

■ 0.0000, 0.0309,
0.0000

■ 49.1043, 76.9069,
79.9666

■ 49.1043, 76.9069,
79.9666

■ 48.1748, 76.4867,
77.2608

■ 50.5930, 77.6140,
82.7641

■ 48.1577, 76.4791,
77.2055

■ 52.7983, 78.6892,
85.6571

■ 55.8218, 80.1846,
88.6520

■ 59.7476, 82.1439,
91.7532

■ 64.6494, 84.6049,
94.9646

■ 70.5934, 87.6017,
98.2896

■ 77.6396, 91.1653,
101.7315

■ 85.8438, 95.3243,
105.2932

■ 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.



52.4910, 76.9069, 48.1489



49.1043, 76.9069, 79.9666



51.4259, 76.9069, 124.7314

Triad

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



49.1043, 76.9069, 79.9666



86.2789, 76.9069, 174.1850



88.8919, 76.9069, 33.7576

Complementary

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



49.1043, 76.9069, 79.9666



42.4531, 22.3373, 6.4927

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.



100.1353, 76.9069, 52.8832



49.1043, 76.9069, 79.9666



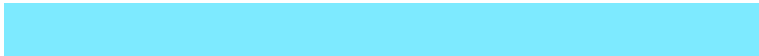
98.4948, 76.9069, 133.5853

Square

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



49.1043, 76.9069, 79.9666



71.7685, 76.9069, 188.4668



103.8565, 76.9069, 87.6273



74.4432, 76.9069, 27.4493

Rectangle

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



49.1043, 76.9069, 79.9666



56.0881, 76.9069, 155.0885



103.8565, 76.9069, 87.6273



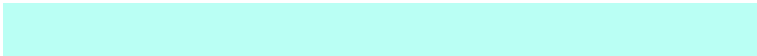
93.2393, 76.9069, 38.5198

Sweetspot

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



49.1053, 76.9074, 79.9680



72.4477, 88.5385, 99.2389



38.0735, 72.6911, 13.0031



15.0240, 18.7070, 20.9930



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.



49.1053, 76.9074, 79.9680



48.1577, 76.4791, 77.2055



34.5320, 39.5506, 100.4217



18.4285, 20.4309, 22.5594



25.2085, 39.9800, 40.5789



2.4853, 3.9051, 4.1135

Inverse Universe

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



42.4531, 22.3373, 6.4927



41.6058, 21.4063, 3.8564



46.2129, 30.9069, 4.5089



18.1225, 18.0323, 19.2624



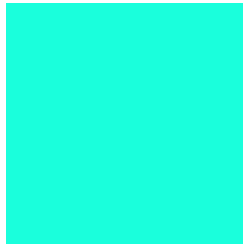
21.7734, 11.1987, 2.1915



2.1515, 1.1030, 0.3793

Previews

White Background



This preview shows how the XYZ color 49.1043, 76.9069, 79.9666 looks on a white background.

Color Contrast Check

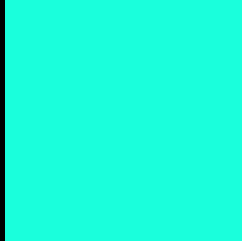
Large Text (above 18pt) WCAG AA × Fail

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 49.1043, 76.9069, 79.9666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

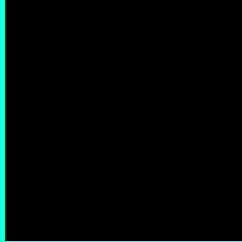
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

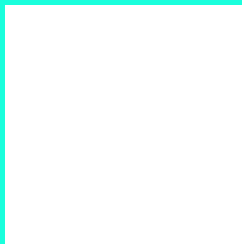
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1043, 76.9069, 79.9666

Background



This preview shows how black text looks on a background with the XYZ color 49.1043, 76.9069, 79.9666.

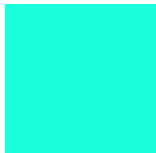


This preview shows how white text looks on a background with the XYZ color 49.1043, 76.9069,

Color Blindness Simulation

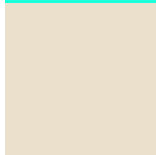
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



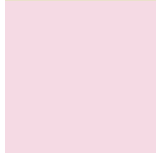
Original Color

49.1043, 76.9069, 79.9666



Protanopia

71.3668, 75.1155, 67.2372



Deuteranopia

76.7312, 75.1567, 83.8613



Tritanopia

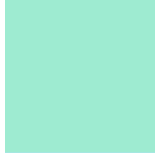
61.3594, 76.2416, 106.0899

Trichromacy



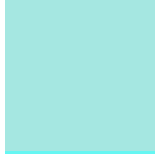
Original Color

49.1043, 76.9069, 79.9666



Protanomaly

55.3175, 71.2892, 71.1663



Deuteranomaly

57.6836, 70.5874, 81.8186



Tritanomaly

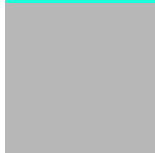
54.4623, 75.1471, 95.6388

Monochromacy



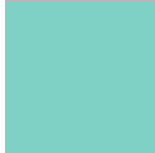
Original Color

49.1043, 76.9069, 79.9666



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.3685, 54.0221, 60.4715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1043, 76.9069, 79.9666 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(26, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 220)  
}
```

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(26, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.1043, 76.9069, 79.9666 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(26, 255, 220) }
```


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

```
.border{ border-color:rgb(26, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1043, 76.9069, 79.9666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 220) }
```

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

```
.background{ background-color: rgb(26, 255,  
220) }
```

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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