

Converting Colors

XYZ(49.8631, 77.4870, 71.4669)

Have a look what the booklet for
XYZ(49.8631, 77.4870, 71.4669)
contains.

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Color

**XYZ(49.8465, 77.4808,
71.3596)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFFCF
RGB	74, 255, 207
RGB Percent	29%, 100%, 81%
CMY	0.7098, 0.0000, 0.1882
CMYK	0.71, 0.00, 0.19, 0.00
HSL	164°, 100%, 65%
HSV	164°, 71%, 100%
XYZ	49.8465, 77.4808, 71.3596
YIQ	195.4090, -92.4680, -53.3000

Conversions

Conversions Part 2

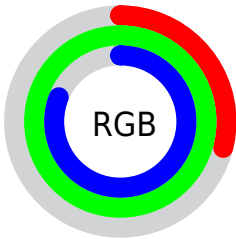
Format	Color
RYB	74, 178, 255
Decimal	4915151
CIELab	90.54, -56.02, 9.97
CIELCh	91, 56.901, 169.909
Yxy	77.4808, 0.2509, 0.3900
Android (android.graphics.Color)	4283105231 (0xFF4AFFCF)
YUV	195.4090, 5.7144, -106.4757
Hunter-Lab	88.0232, -52.9581, 13.5504

Details

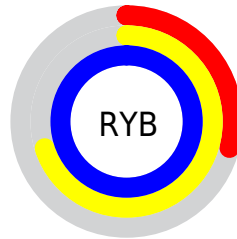
The XYZ color **49.8465, 77.4808, 71.3596** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **47.2024, 27.5638, 21.2466**, and the grayscale version is **52.1231, 54.8375, 59.7181**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **25.7160, 42.2324, 36.9333** is the 20% darker color. If you saturate the color by 10%, you get **47.4564, 76.3421, 67.0249**, and if you desaturate by 10%, it is **53.0687, 79.0443, 75.9208**.

Distribution



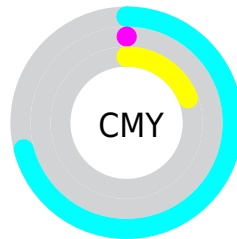
- Red (29%)
- Green (100%)
- Blue (81%)



- Red (29%)
- Yellow (70%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8465, 77.4808, 71.3596 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 49.8465, 77.4808, 71.3596 by changing the saturation by 10% instead.


 49.8465, 77.4808,
71.3596


 49.8465, 77.4808,
71.3596


376.5273,
486.4018, 484.2270


 35.5087, 57.6476,
52.1521


 89.1406, 129.8180,
122.8448


 24.2234, 41.5254,
36.7432


 114.8276,
163.0907, 155.9596

 15.6250, 28.7298,
24.7145


 145.0285,
201.6120, 194.5473

 9.3484, 18.8765,
15.6474

 180.1085,
245.7664, 239.0263

 5.0280, 11.5811,
9.1234

220.4330,
295.9381, 289.8153

 2.2986, 6.4591,
4.7238

266.3674,

 0.7940, 3.1262,

352.5117, 347.3327

2.0303

318.2771,
415.8714, 411.9971

■ 0.0000, 1.1980,
0.5738

■ 0.0000, 0.0601,
0.0000

■ 49.8465, 77.4808,
71.3596

■ 49.8465, 77.4808,
71.3596

■ 47.4564, 76.3421,
67.0249

■ 53.0687, 79.0443,
75.9208


■ 45.7925, 75.5738,
62.9054


■ 57.2067, 81.0758,
80.7107


■ 44.7699, 75.1240,
59.3657


■ 62.3364, 83.6143,
85.7363

■ 68.5249, 86.6944,
91.0029

 75.8334, 90.3477,
96.5156

 84.3185, 94.6031,
102.2791

 94.0326, 99.4878,
108.2978

 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.



54.6237, 77.4808, 43.2775



49.8465, 77.4808, 71.3596



50.7872, 77.4808, 113.9752

Triad

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



49.8465, 77.4808, 71.3596



83.3638, 77.4808, 181.6276



92.7162, 77.4808, 37.4776

Complementary

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



49.8465, 77.4808, 71.3596



47.2024, 27.5638, 21.2466

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.



102.4961, 77.4808, 60.3837



49.8465, 77.4808, 71.3596



96.6328, 77.4808, 145.5926

Square

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



49.8465, 77.4808, 71.3596



68.9504, 77.4808, 187.4798



104.0151, 77.4808, 98.8582



78.5442, 77.4808, 28.3248

Rectangle

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



49.8465, 77.4808, 71.3596



54.5780, 77.4808, 145.3191



104.0151, 77.4808, 98.8582



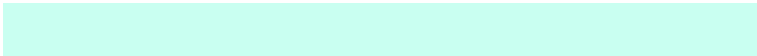
96.6996, 77.4808, 43.3995

Sweetspot

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



49.8473, 77.4812, 71.3610



75.8157, 90.3388, 96.5029



45.0609, 76.1720, 18.8076



15.7712, 19.1078, 20.3245



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.



49.8473, 77.4812, 71.3610



46.7063, 75.9919, 65.3422



44.6106, 56.1482, 103.0942



18.3371, 20.3944, 22.0782



23.4583, 39.2799, 31.3625



2.3293, 3.8426, 3.2918

Inverse Universe

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



47.2024, 27.5638, 21.2466



44.0401, 23.5018, 13.2165



48.7493, 34.3005, 10.5311



18.2071, 18.0662, 19.7079



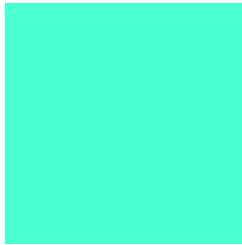
22.1401, 11.3453, 4.1224



2.1986, 1.1218, 0.6271

Previews

White Background



This preview shows how the XYZ color 49.8465, 77.4808, 71.3596 looks on a white background.

Color Contrast Check

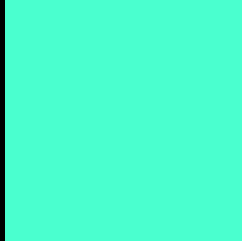
Large Text (above 18pt) WCAG AA × Fail

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 49.8465, 77.4808, 71.3596 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 49.8465, 77.4808, 71.3596

Background



This preview shows how black text looks on a background with the XYZ color 49.8465, 77.4808, 71.3596.

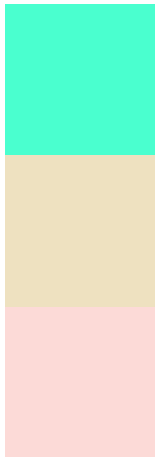


This preview shows how white text looks on a background with the XYZ color 49.8465, 77.4808,

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

49.8465, 77.4808, 71.3596

Protanopia

71.6995, 75.8333, 60.7275

Deuteranopia

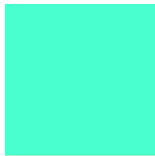
77.4820, 75.7446, 74.8264



Tritanopia

62.8317, 77.0006, 106.1588

Trichromacy



Original Color

49.8465, 77.4808, 71.3596



Protanomaly

58.4336, 73.4871, 63.9280



Deuteranomaly

60.9531, 72.4701, 73.0629



Tritanomaly

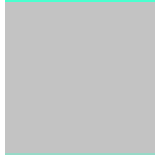
56.8458, 76.4446, 92.6481

Monochromacy



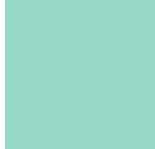
Original Color

49.8465, 77.4808, 71.3596



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.8842, 60.3285, 63.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8465, 77.4808, 71.3596 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(74, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 207)  
}
```

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(74, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.8465, 77.4808, 71.3596 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(74, 255, 207) }
```


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

```
.border{ border-color:rgb(74, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8465, 77.4808, 71.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 207) }
```

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

```
.background{ background-color: rgb(74, 255,  
207) }
```

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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