

Converting Colors

XYZ(49.9302, 78.2153, 74.0650)

Have a look what the booklet for
XYZ(49.9302, 78.2153, 74.0650)
contains.

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Color

**XYZ(49.4423, 77.2152,
73.9262)**

Conversions

Conversions Part 1

Format	Color
Hex	3DFFD3
RGB	61, 255, 211
RGB Percent	24%, 100%, 83%
CMY	0.7607, 0.0000, 0.1725
CMYK	0.76, 0.00, 0.17, 0.00
HSL	166°, 100%, 62%
HSV	166°, 76%, 100%
XYZ	49.4423, 77.2152, 73.9262
YIQ	191.9780, -101.5000, -54.8120

Conversions

Conversions Part 2

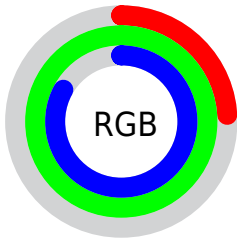
Format	Color
RYB	61, 170, 255
Decimal	4063187
CIELab	90.42, -56.59, 7.70
CIELCh	90, 57.110, 172.250
Yxy	77.2152, 0.2465, 0.3850
Android (android.graphics.Color)	4282253267 (0xFF3DFFD3)
YUV	191.9780, 9.3778, -114.8677
Hunter-Lab	87.8722, -53.3412, 11.6303

Details

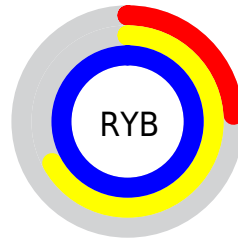
The XYZ color **49.4423, 77.2152, 73.9262** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.4594, 25.6186, 15.9155**, and the grayscale version is **50.0807, 52.6888, 57.3781**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **26.0521, 42.3668, 38.7028** is the 20% darker color. If you saturate the color by 10%, you get **47.5164, 76.3046, 70.1200**, and if you desaturate by 10%, it is **52.1413, 78.5213, 77.9075**.

Distribution



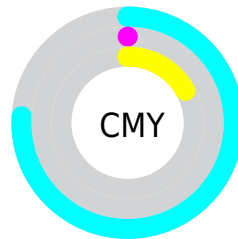
- Red (24%)
- Green (100%)
- Blue (83%)



- Red (24%)
- Yellow (67%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4423, 77.2152, 73.9262 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 49.4423, 77.2152, 73.9262 by changing the saturation by 10% instead.

 49.4423, 77.2152,
73.9262


 49.4423, 77.2152,
73.9262


374.9691,
485.4974, 493.3752


 35.1864, 57.4295,
54.2372


 88.5448, 129.4432,
126.5243


 23.9737, 41.3502,
38.3969


 114.1221,
162.6543, 160.2704

 15.4388, 28.5928,
25.9866


 144.2040,
201.1094, 199.5394

 9.2162, 18.7730,
16.5880

 179.1558,
245.1928, 244.7497

 4.9407, 11.5064,
9.7823

219.3429,
295.2889, 296.3199

 2.2469, 6.4085,
5.1512

265.1305,

 0.7673, 3.0950,

351.7821, 354.6685

2.2759

316.8842,
415.0568, 420.2141

■ 0.0000, 1.1816,
0.7177

■ 0.0000, 0.0466,
0.0000

■ 49.4423, 77.2152,
73.9262

■ 49.4423, 77.2152,
73.9262

■ 47.5164, 76.3046,
70.1200

■ 52.1413, 78.5213,
77.9075

■ 46.2447, 75.7284,
66.4778

■ 55.7045, 80.2699,
82.0655

■ 45.8570, 75.5588,
65.0899

■ 60.2128, 82.5026,
86.4067

■ 65.7370, 85.2559,
90.9358

■ 72.3410, 88.5627,
95.6570

■ 80.0833, 92.4532,
100.5745

■ 89.0183, 96.9553,
105.6920

■ 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.



53.7801, 77.2152, 44.5889



49.4423, 77.2152, 73.9262



50.8313, 77.2152, 117.4416

Triad

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



49.4423, 77.2152, 73.9262



84.2673, 77.2152, 179.6754



91.4842, 77.2152, 36.0242

Complementary

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



49.4423, 77.2152, 73.9262



45.4594, 25.6186, 15.9155

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.



101.7971, 77.2152, 57.7138



49.4423, 77.2152, 73.9262



97.2687, 77.2152, 141.8763

Square

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



49.4423, 77.2152, 73.9262



69.7561, 77.2152, 188.3195



104.0407, 77.2152, 95.1109



77.1495, 77.2152, 27.8104

Rectangle

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



49.4423, 77.2152, 73.9262



54.9126, 77.2152, 148.6760



104.0407, 77.2152, 95.1109



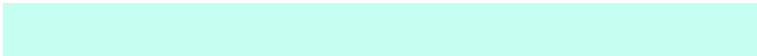
95.6087, 77.2152, 41.5657

Sweetspot

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



49.4432, 77.2157, 73.9276



74.5978, 89.6954, 97.1480



42.5790, 74.9380, 16.6365



15.4018, 18.9149, 20.4191



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.



49.4432, 77.2157, 73.9276



46.8168, 75.9834, 68.3059



41.3946, 51.0515, 102.2799



18.3682, 20.4068, 22.2419



24.0207, 39.5049, 34.3238



2.3799, 3.8629, 3.5582

Inverse Universe

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



45.4594, 25.6186, 15.9155



42.8353, 22.3868, 8.8246



47.9587, 33.3494, 8.3256



18.1781, 18.0545, 19.5549



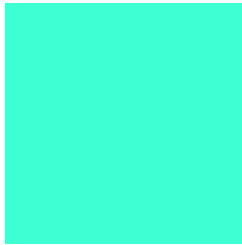
21.9918, 11.2860, 3.3412



2.1805, 1.1146, 0.5322

Previews

White Background



This preview shows how the XYZ color 49.4423, 77.2152, 73.9262 looks on a white background.

Color Contrast Check

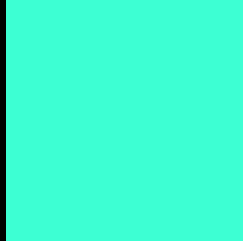
Large Text (above 18pt) WCAG AA × Fail

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 49.4423, 77.2152, 73.9262 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

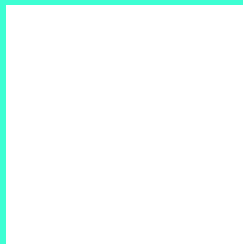
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4423, 77.2152, 73.9262

Background



This preview shows how black text looks on a background with the XYZ color 49.4423, 77.2152, 73.9262.

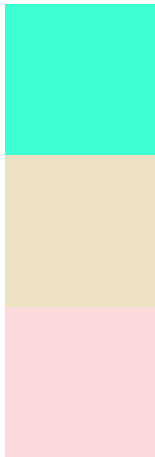


This preview shows how white text looks on a background with the XYZ color 49.4423, 77.2152,

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

49.4423, 77.2152, 73.9262

Protanopia

71.3676, 75.6234, 62.4651

Deuteranopia

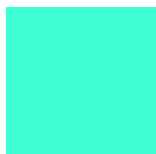
77.2819, 75.5813, 77.5333



Tritanopia

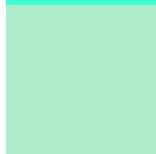
62.2678, 76.7099, 106.1324

Trichromacy



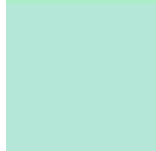
Original Color

49.4423, 77.2152, 73.9262



Protanomaly

57.5513, 72.9786, 66.3113



Deuteranomaly

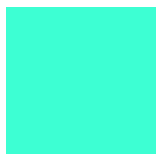
60.0266, 71.9335, 75.6866



Tritanomaly

56.0070, 75.9951, 93.3780

Monochromacy



Original Color

49.4423, 77.2152, 73.9262



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.1108, 58.6537, 62.9238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4423, 77.2152, 73.9262 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(61, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 211)  
}
```

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(61, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.4423, 77.2152, 73.9262 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(61, 255, 211) }
```


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

```
.border{ border-color:rgb(61, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(61, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4423, 77.2152, 73.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 211) }
```

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

```
.background{ background-color: rgb(61, 255,  
211) }
```

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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