

Converting Colors

XYZ(49.5136, 77.2931, 72.0708)

Have a look what the booklet for
XYZ(49.5136, 77.2931, 72.0708)
contains.

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Color

**XYZ(49.5291, 77.3030,
71.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	44FFD0
RGB	68, 255, 208
RGB Percent	27%, 100%, 82%
CMY	0.7333, 0.0000, 0.1843
CMYK	0.73, 0.00, 0.18, 0.00
HSL	165°, 100%, 63%
HSV	165°, 73%, 100%
XYZ	49.5291, 77.3030, 71.9850
YIQ	193.7290, -96.3650, -54.2610

Conversions

Conversions Part 2

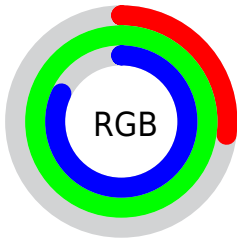
Format	Color
RYB	68, 175, 255
Decimal	4521936
CIELab	90.46, -56.53, 9.32
CIElCh	90, 57.291, 170.635
Yxy	77.3030, 0.2491, 0.3888
Android (android.graphics.Color)	4282712016 (0xFF44FFD0)
YUV	193.7290, 7.0356, -110.2643
Hunter-Lab	87.9221, -53.3095, 13.0026

Details

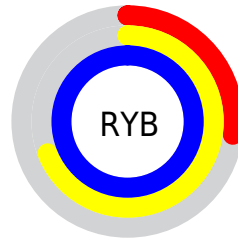
The XYZ color **49.5291, 77.3030, 71.9850** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.4026, 26.6333, 18.9169**, and the grayscale version is **51.1197, 53.7819, 58.5685**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **25.7990, 42.2656, 37.3702** is the 20% darker color. If you saturate the color by 10%, you get **47.3483, 76.2681, 67.8504**, and if you desaturate by 10%, it is **52.5161, 78.7499, 76.3264**.

Distribution



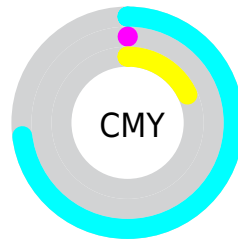
- Red (27%)
- Green (100%)
- Blue (82%)



- Red (27%)
- Yellow (69%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5291, 77.3030, 71.9850 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 49.5291, 77.3030, 71.9850 by changing the saturation by 10% instead.


 49.5291, 77.3030,
71.9850


 49.5291, 77.3030,
71.9850

375.3041,
485.7965, 486.4655


 35.2556, 57.5016,
52.6597


 88.6728, 129.5671,
123.7427

 24.0273, 41.4081,
37.1453


 114.2737,
162.7986, 157.0122

 15.4787, 28.6381,
25.0233

 144.3812,
201.2756, 195.7668

 9.2445, 18.8072,
15.8753

 179.3606,
245.3824, 240.4250

 4.9594, 11.5311,
9.2825

219.5772,
295.5035, 291.4055

 2.2580, 6.4252,
4.8266

265.3964,

 0.7730, 3.1053,

352.0233, 349.1267

2.0889

317.1836,
415.3262, 414.0072

■ 0.0000, 1.1870,
0.6092

■ 0.0000, 0.0510,
0.0000

■ 49.5291, 77.3030,
71.9850

■ 49.5291, 77.3030,
71.9850

■ 47.3483, 76.2681,
67.8504

■ 52.5161, 78.7499,
76.3264


■ 45.8625, 75.5877,
63.9115


■ 56.3962, 80.6535,
80.8764


■ 45.1539, 75.2776,
61.3877


■ 61.2476, 83.0540,
85.6421

■ 67.1390, 85.9868,
90.6285

 74.1328, 89.4842,
95.8402

 82.2864, 93.5755,
101.2818

 91.6532, 98.2884,
106.9575

 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.



54.1860, 77.3030, 43.4245



49.5291, 77.3030, 71.9850



50.6122, 77.3030, 115.1112

Triad

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



49.5291, 77.3030, 71.9850



83.6051, 77.3030, 181.5687



92.3473, 77.3030, 36.7585

Complementary

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



49.5291, 77.3030, 71.9850



46.4026, 26.6333, 18.9169

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.



102.3543, 77.3030, 59.3384



49.5291, 77.3030, 71.9850



96.8695, 77.3030, 144.7071

Square

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



49.5291, 77.3030, 71.9850



69.0864, 77.3030, 188.3386



104.1088, 77.3030, 97.6575



78.0440, 77.3030, 27.8966

Rectangle

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



49.5291, 77.3030, 71.9850



54.5065, 77.3030, 146.6351



104.1088, 77.3030, 97.6575



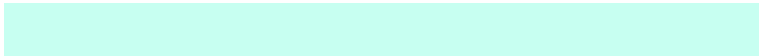
96.3991, 77.3030, 42.5698

Sweetspot

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



49.5300, 77.3034, 71.9864



75.1489, 89.9933, 96.5504



44.2577, 75.7802, 17.7647



15.6461, 19.0424, 20.3567



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.



49.5300, 77.3034, 71.9864



46.5755, 75.9101, 65.9868



43.8205, 55.2213, 102.9569



18.3483, 20.3989, 22.1372



23.6571, 39.3594, 32.4090



2.3472, 3.8498, 3.3863

Inverse Universe

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



46.4026, 26.6333, 18.9169



43.4399, 22.9073, 11.1489



48.0382, 33.1866, 9.3441



18.1966, 18.0620, 19.6526



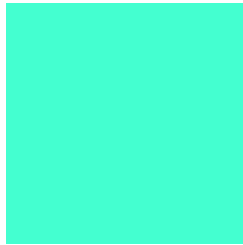
22.0837, 11.3228, 3.8253



2.1918, 1.1191, 0.5916

Previews

White Background



This preview shows how the XYZ color 49.5291, 77.3030, 71.9850 looks on a white background.

Color Contrast Check

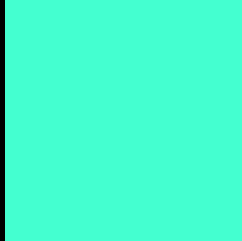
Large Text (above 18pt) WCAG AA × Fail

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 49.5291, 77.3030, 71.9850 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

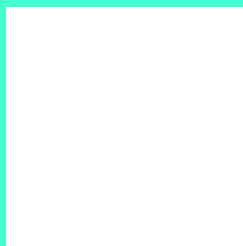
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5291, 77.3030, 71.9850

Background



This preview shows how black text looks on a background with the XYZ color 49.5291, 77.3030, 71.9850.

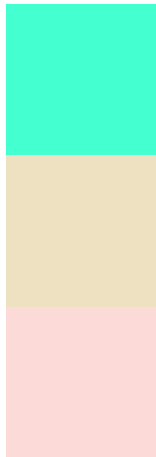


This preview shows how white text looks on a background with the XYZ color 49.5291, 77.3030,

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

49.5291, 77.3030, 71.9850

Protanopia

71.4759, 75.7052, 61.2975

Deuteranopia

77.2497, 75.6099, 75.4884



Tritanopia

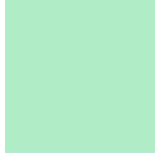
62.4542, 76.8060, 106.1411

Trichromacy



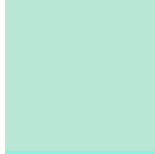
Original Color

49.5291, 77.3030, 71.9850



Protanomaly

58.0930, 73.2982, 64.5122



Deuteranomaly

60.3533, 72.1463, 73.6955



Tritanomaly

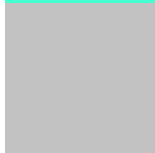
56.2735, 76.1495, 92.6213

Monochromacy



Original Color

49.5291, 77.3030, 71.9850



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.0774, 59.5312, 63.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5291, 77.3030, 71.9850 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(68, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(68, 255, 208)  
}
```

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(68, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 255, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.5291, 77.3030, 71.9850 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(68, 255, 208) }
```


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

```
.border{ border-color:rgb(68, 255, 208) }
```

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

Here you see how a box with a 4 pixel rgb(68, 255, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(68, 255,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5291, 77.3030, 71.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 255, 208) }
```

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

```
.background{ background-color: rgb(68, 255,  
208) }
```

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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