

Converting Colors

XYZ(49.7471, 77.2726, 78.4499)

Have a look what the booklet for
XYZ(49.7471, 77.2726, 78.4499)
contains.

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Color

**XYZ(49.7801, 77.2858,
78.6236)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33FFDA |
| RGB | 51, 255, 218 |
| RGB Percent | 20%, 100%, 85% |
| CMY | 0.8000, 0.0000, 0.1451 |
| CMYK | 0.80, 0.00, 0.15, 0.00 |
| HSL | 169°, 100%, 60% |
| HSV | 169°, 80%, 100% |
| XYZ | 49.7801, 77.2858, 78.6236 |
| YIQ | 189.7860, -109.7070, -54.7550 |

Conversions

Conversions Part 2

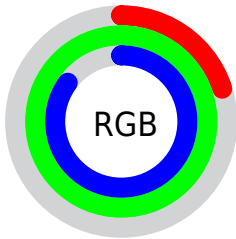
| Format | Color |
|-------------------------------------|--|
| RYB | 51, 163, 255 |
| Decimal | 3407834 |
| CIELab | 90.45, -55.81, 4.11 |
| CIELCh | 90, 55.966, 175.789 |
| Yxy | 77.2858, 0.2420, 0.3757 |
| Android (android.graphics.Color) | 4281597914 (0xFF33FFDA) |
| YUV | 189.7860, 13.9095, -121.7153 |
| Hunter-Lab | 87.9123, -52.7715, 8.5132 |

Details

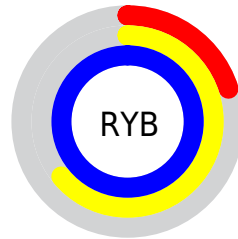
The XYZ color **49.7801, 77.2858, 78.6236** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.1862, 24.3334, 11.6026**, and the grayscale version is **48.7898, 51.3307, 55.8991**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.5771, 42.5768, 41.4677** is the 20% darker color. If you saturate the color by 10%, you get **48.2318, 76.5565, 75.4367**, and if you desaturate by 10%, it is **52.0504, 78.3852, 81.9351**.

Distribution



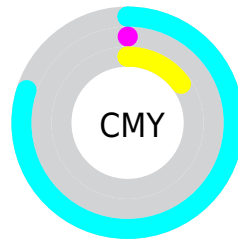
- Red (20%)
- Green (100%)
- Blue (85%)



- Red (20%)
- Yellow (64%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7801, 77.2858, 78.6236 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 49.7801, 77.2858, 78.6236 by changing the saturation by 10% instead.


 49.7801, 77.2858,
78.6236


 49.7801, 77.2858,
78.6236


376.2716,
485.7379, 509.8660

 35.4558, 57.4875,
58.0669


 89.0427, 129.5428,
133.2227


 24.1823, 41.3967,
41.4474


 114.7118,
162.7703, 168.1022

 15.5944, 28.6292,
28.3465


 144.8931,
201.2430, 208.5930

 9.3266, 18.8005,
18.3457

 179.9521,
245.3453, 255.1137

 5.0136, 11.5262,
11.0265

220.2541,
295.4615, 308.0828

 2.2901, 6.4220,
5.9702

266.1644,

 0.7896, 3.1033,

351.9761, 367.9188

2.7585

318.0485,
415.2734, 435.0404

■ 0.0000, 1.1859,
0.9727

■ 0.0000, 0.0501,
0.0000

■ 49.7801, 77.2858,
78.6236

■ 49.7801, 77.2858,
78.6236

■ 48.2318, 76.5565,
75.4367

■ 52.0504, 78.3852,
81.9351


■ 47.2381, 76.1112,
72.3619


■ 55.1408, 79.9055,
85.3726


■ 47.2377, 76.1111,
72.3605

■ 59.1369, 81.8906,
88.9420

■ 64.1125, 84.3788,
92.6475

 70.1340, 87.4041,
96.4929

 77.2616, 90.9977,
100.4816

 85.5512, 95.1882,
104.6170

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.



53.3965, 77.2858, 47.8660



49.7801, 77.2858, 78.6236



51.8166, 77.2858, 122.2800

Triad

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



49.7801, 77.2858, 78.6236



85.7830, 77.2858, 174.2349



89.6305, 77.2858, 35.1951

Complementary

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



49.7801, 77.2858, 78.6236



44.1862, 24.3334, 11.6026

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.



100.4149, 77.2858, 54.9075



49.7801, 77.2858, 78.6236



98.0032, 77.2858, 135.2767

Square

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



49.7801, 77.2858, 78.6236



71.5015, 77.2858, 186.6347



103.6570, 77.2858, 89.9318



75.4495, 77.2858, 28.3596

Rectangle

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



49.7801, 77.2858, 78.6236



56.2639, 77.2858, 152.2653



103.6570, 77.2858, 89.9318



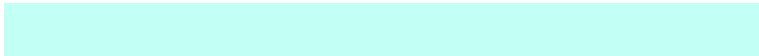
93.8399, 77.2858, 40.1556

Sweetspot

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



49.7810, 77.2862, 78.6250



74.2708, 89.4885, 98.8668



40.4212, 73.8539, 15.2582



15.3604, 18.8837, 20.8582



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.



49.7810, 77.2862, 78.6250



47.5954, 76.2689, 73.5781



37.9169, 44.9262, 101.2809



18.4052, 20.4216, 22.4366



24.7339, 39.7901, 38.0794



2.4434, 3.8883, 3.8927

Inverse Universe

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



44.1862, 24.3334, 11.6026



42.0308, 21.7534, 5.5480



48.0381, 33.8998, 7.1448



18.1439, 18.0409, 19.3748



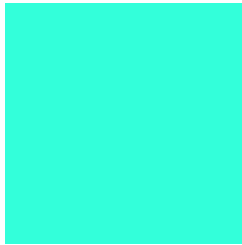
21.8475, 11.2283, 2.5817



2.1618, 1.1071, 0.4337

Previews

White Background



This preview shows how the XYZ color 49.7801, 77.2858, 78.6236 looks on a white background.

Color Contrast Check

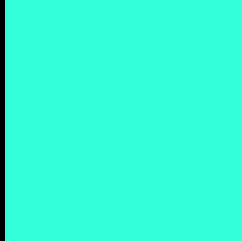
Large Text (above 18pt) WCAG AA × Fail

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 49.7801, 77.2858, 78.6236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

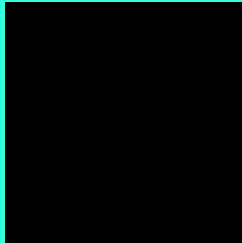
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7801, 77.2858, 78.6236

Background



This preview shows how black text looks on a background with the XYZ color 49.7801, 77.2858, 78.6236.

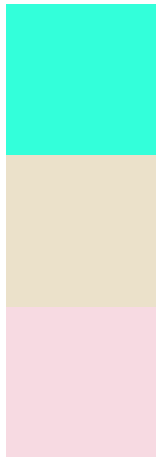


This preview shows how white text looks on a background with the XYZ color 49.7801, 77.2858,

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

49.7801, 77.2858, 78.6236

Protanopia

71.8468, 75.7769, 66.7168

Deuteranopia

77.1566, 75.4080, 82.4401



Tritanopia

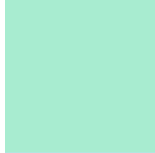
62.0830, 76.6146, 106.1237

Trichromacy



Original Color

49.7801, 77.2858, 78.6236



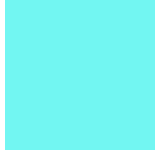
Protanomaly

57.5291, 72.8698, 70.7077



Deuteranomaly

59.7997, 71.7096, 80.5016



Tritanomaly

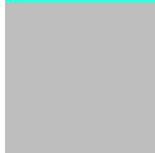
55.9222, 75.8997, 95.7071

Monochromacy



Original Color

49.7801, 77.2858, 78.6236



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.1194, 57.7522, 63.4128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7801, 77.2858, 78.6236 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(51, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 218)  
}
```

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(51, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 49.7801, 77.2858, 78.6236 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(51, 255, 218) }
```


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

```
.border{ border-color:rgb(51, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7801, 77.2858, 78.6236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 218) }
```

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

```
.background{ background-color: rgb(51, 255,  
218) }
```

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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