

Converting Colors

XYZ(48.9423, 76.8569, 78.4496)

Have a look what the booklet for
XYZ(48.9423, 76.8569, 78.4496)
contains.

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Color

**XYZ(48.9800, 76.8733,
78.5862)**

Conversions

Conversions Part 1

Format	Color
Hex	1FFFDA
RGB	31, 255, 218
RGB Percent	12%, 100%, 85%
CMY	0.8783, 0.0000, 0.1451
CMYK	0.88, 0.00, 0.15, 0.00
HSL	170°, 100%, 56%
HSV	170°, 88%, 100%
XYZ	48.9800, 76.8733, 78.5862
YIQ	183.8060, -121.6270, -58.9950

Conversions

Conversions Part 2

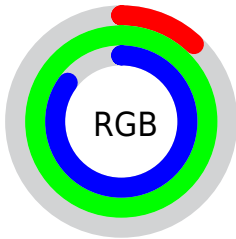
Format	Color
R_{YB}	31, 153, 255
Decimal	2097114
CIE _{Lab}	90.26, -57.17, 3.81
CIE _{LCh}	90, 57.294, 176.186
Yxy	76.8733, 0.2396, 0.3760
Android (android.graphics.Color)	4280287194 (0xFF1FFFDA)
YUV	183.8060, 16.8576, -134.0109
Hunter-Lab	87.6774, -53.7185, 8.2319

Details

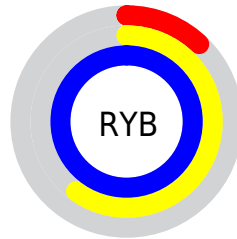
The XYZ color **48.9800, 76.8733, 78.5862** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **42.7746, 22.6588, 7.5913**, and the grayscale version is **45.4143, 47.7794, 52.0318**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **26.5771, 42.5768, 41.4677** is the 20% darker color. If you saturate the color by 10%, you get **47.9399, 76.3999, 75.6976**, and if you desaturate by 10%, it is **50.6338, 77.6613, 81.5794**.

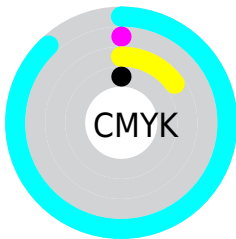
Distribution



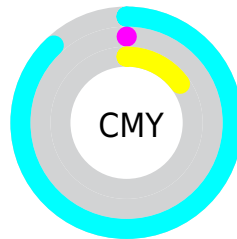
- Red (12%)
- Green (100%)
- Blue (85%)



- Red (12%)
- Yellow (60%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9800, 76.8733, 78.5862 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 48.9800, 76.8733, 78.5862 by changing the saturation by 10% instead.


 48.9800, 76.8733,
78.5862


 48.9800, 76.8733,
78.5862


373.1818,
484.3319, 509.7359


 34.8181, 57.1489,
58.0363


 87.8626, 128.9606,
133.1695

 23.6886, 41.1248,
41.4230


 113.3141,
162.0923, 168.0401

 15.2263, 28.4166,
28.3275


 143.2594,
200.4619, 208.5213

 9.0657, 18.6399,
18.3315

 178.0640,
244.4538, 255.0317

 4.8415, 11.4104,
11.0164

218.0932,
294.4523, 307.9898

 2.1884, 6.3436,
5.9635

263.7123,

 0.7366, 3.0551,

350.8419, 367.8142

2.7545

315.2867,
414.0070, 434.9234

■ 0.0000, 1.1606,
0.9707

■ 0.0000, 0.0291,
0.0000

■ 48.9800, 76.8733,
78.5862

■ 48.9800, 76.8733,
78.5862

■ 47.9399, 76.3999,
75.6976

■ 50.6338, 77.6613,
81.5794

■ 47.7547, 76.3179,
75.0832

■ 53.0277, 78.8293,
84.6795

■ 56.2593, 80.4274,
87.8930

■ 60.4103, 82.4979,
91.2242

■ 65.5530, 85.0780,
94.6771

■ 71.7519, 88.2009,
98.2551

■ 79.0666, 91.8972,
101.9615

■ 87.5516, 96.1953,
105.7995

■ 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.



52.5703, 76.8733, 47.1659



48.9800, 76.8733, 78.5862



51.1194, 76.8733, 123.3562

Triad

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



48.9800, 76.8733, 78.5862



85.8455, 76.8733, 175.7934



89.4114, 76.8733, 33.9423

Complementary

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



48.9800, 76.8733, 78.5862



42.7746, 22.6588, 7.5913

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.



100.5360, 76.8733, 53.6117



48.9800, 76.8733, 78.5862



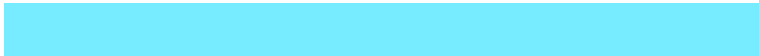
98.2964, 76.8733, 135.4482

Square

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



48.9800, 76.8733, 78.5862



71.2569, 76.8733, 189.0452



103.9808, 76.8733, 89.0350



74.9049, 76.8733, 27.2550

Rectangle

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



48.9800, 76.8733, 78.5862



55.6794, 76.8733, 154.1138



103.9808, 76.8733, 89.0350



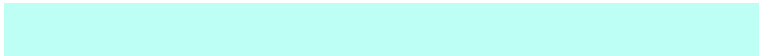
93.7400, 76.8733, 38.8631

Sweetspot

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



48.9809, 76.8737, 78.5876



73.0084, 88.8351, 98.9252



38.4162, 72.8607, 13.3367



15.1257, 18.7615, 20.9040



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.



48.9809, 76.8737, 78.5876



47.7547, 76.3179, 75.0832



35.0059, 40.2920, 100.5399



18.4184, 20.4269, 22.5063



25.0007, 39.8969, 39.4843



2.4670, 3.8977, 4.0170

Inverse Universe

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



42.7746, 22.6588, 7.5913



41.6601, 21.4280, 4.1423



46.6089, 31.6017, 4.9411



18.1318, 18.0360, 19.3110



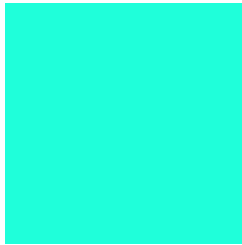
21.8040, 11.2109, 2.3523



2.1559, 1.1047, 0.4021

Previews

White Background



This preview shows how the XYZ color 48.9800, 76.8733, 78.5862 looks on a white background.

Color Contrast Check

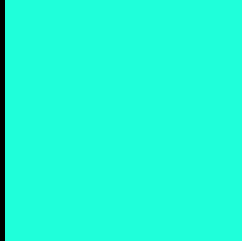
Large Text (above 18pt) WCAG AA × Fail

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 48.9800, 76.8733, 78.5862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

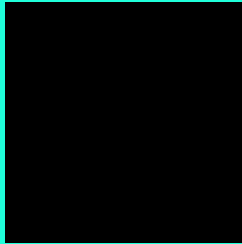
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

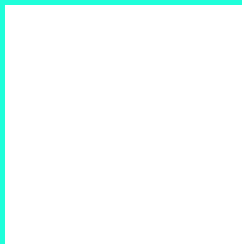
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9800, 76.8733, 78.5862

Background



This preview shows how black text looks on a background with the XYZ color 48.9800, 76.8733, 78.5862.

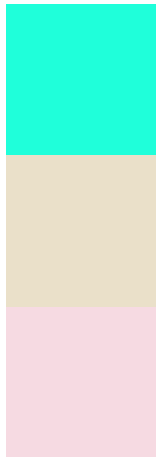


This preview shows how white text looks on a background with the XYZ color 48.9800, 76.8733,

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

48.9800, 76.8733, 78.5862

Protanopia

71.1300, 75.0208, 65.9898

Deuteranopia

76.8049, 75.2266, 82.4236



Tritanopia

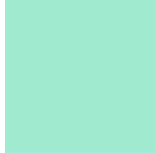
61.3594, 76.2416, 106.0899

Trichromacy



Original Color

48.9800, 76.8733, 78.5862



Protanomaly

55.4680, 71.3952, 69.8887



Deuteranomaly

58.0436, 70.8044, 80.4194



Tritanomaly

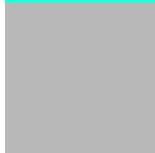
54.6917, 75.2654, 95.6495

Monochromacy



Original Color

48.9800, 76.8733, 78.5862



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.9125, 54.6679, 60.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9800, 76.8733, 78.5862 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(31, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 48.9800, 76.8733, 78.5862 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(31, 255, 218) }
```


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

```
.border{ border-color:rgb(31, 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(31, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9800, 76.8733, 78.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 218) }
```

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

```
.background{ background-color: rgb(31, 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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