

Converting Colors

XYZ(49.2593, 77.0774, 75.8808)

Have a look what the booklet for
XYZ(49.2593, 77.0774, 75.8808)
contains.

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Color

**XYZ(49.2628, 77.0788,
75.8996)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFD6
RGB	51, 255, 214
RGB Percent	20%, 100%, 84%
CMY	0.8000, 0.0000, 0.1608
CMYK	0.80, 0.00, 0.16, 0.00
HSL	168°, 100%, 60%
HSV	168°, 80%, 100%
XYZ	49.2628, 77.0788, 75.8996
YIQ	189.3300, -108.4230, -55.9990

Conversions

Conversions Part 2

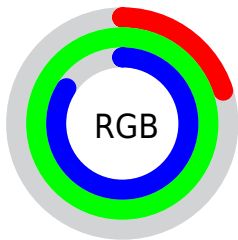
Format	Color
RYB	51, 164, 255
Decimal	3407830
CIELab	90.36, -56.81, 6.04
CIELCh	90, 57.126, 173.928
Yxy	77.0788, 0.2436, 0.3811
Android (android.graphics.Color)	4281597910 (0xFF33FFD6)
YUV	189.3300, 12.1623, -121.3154
Hunter-Lab	87.7945, -53.4815, 10.1991

Details

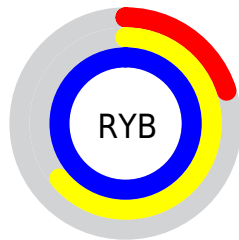
The XYZ color **49.2628, 77.0788, 75.8996** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.3566, 24.4016, 12.4997**, and the grayscale version is **48.5374, 51.0651, 55.6099**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.2243, 42.4357, 39.6096** is the 20% darker color. If you saturate the color by 10%, you get **47.6670, 76.3306, 72.4627**, and if you desaturate by 10%, it is **51.5843, 78.1987, 79.4807**.

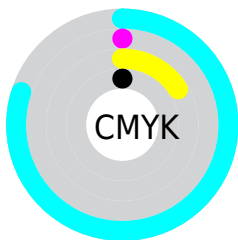
Distribution



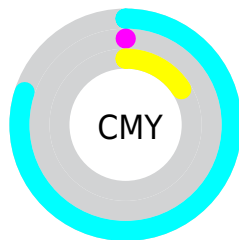
- Red (20%)
- Green (100%)
- Blue (84%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2628, 77.0788, 75.8996 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 49.2628, 77.0788, 75.8996 by changing the saturation by 10% instead.


 49.2628, 77.0788,
75.8996


 49.2628, 77.0788,
75.8996


374.2758,
485.0327, 500.3416


 35.0434, 57.3176,
55.8440


 88.2800, 129.2507,
129.3438


 23.8630, 41.2602,
39.6747


 113.8085,
162.4302, 163.5694

 15.3562, 28.5225,
26.9732


 143.8375,
200.8511, 203.3555

 9.1577, 18.7199,
17.3208

 178.7322,
244.8980, 249.1206

 4.9021, 11.4681,
10.2991

218.8580,
294.9552, 301.2832

 2.2241, 6.3826,
5.4895

264.5803,

 0.7554, 3.0791,

351.4071, 360.2619

2.4735

316.2645,
414.6381, 426.4752

■ 0.0000, 1.1732,
0.8261

■ 0.0000, 0.0396,
0.0000

■ 49.2628, 77.0788,
75.8996

■ 49.2628, 77.0788,
75.8996

■ 47.6670, 76.3306,
72.4627

■ 51.5843, 78.1987,
79.4807

■ 46.6295, 75.8678,
69.1572

■ 54.7296, 79.7410,
83.2074

■ 46.6291, 75.8676,
69.1556

■ 58.7845, 81.7497,
87.0862

■ 63.8227, 84.2629,
91.1213

69.9107, 87.3148,
95.3168

77.1088, 90.9365,
99.6765

85.4729, 95.1568,
104.2039

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.



53.2794, 77.0788, 45.6966



49.2628, 77.0788, 75.8996



50.9708, 77.0788, 119.9268

Triad

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



49.2628, 77.0788, 75.8996



84.9399, 77.0788, 177.9715



90.5986, 77.0788, 35.1522

Complementary

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



49.2628, 77.0788, 75.8996



44.3566, 24.4016, 12.4997

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.



101.2539, 77.0788, 55.9637



49.2628, 77.0788, 75.8996



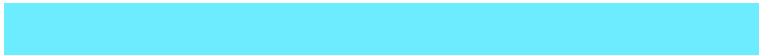
97.7019, 77.0788, 139.0968

Square

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



49.2628, 77.0788, 75.8996



70.4022, 77.0788, 188.5757



104.0084, 77.0788, 92.4986



76.1963, 77.0788, 27.5972

Rectangle

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



49.2628, 77.0788, 75.8996



55.2539, 77.0788, 150.9473



104.0084, 77.0788, 92.4986



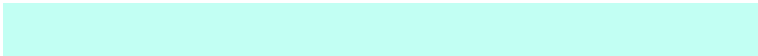
94.8087, 77.0788, 40.4243

Sweetspot

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



49.2637, 77.0793, 75.9010



74.0892, 89.4158, 97.9106



41.0989, 74.2033, 15.2899



15.3161, 18.8660, 20.6254



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.



49.2637, 77.0793, 75.9010



47.0039, 76.0323, 70.4632



39.4283, 47.9491, 101.7847



18.3892, 20.4152, 22.3524



24.4196, 39.6644, 36.4246



2.4155, 3.8771, 3.7458

Inverse Universe

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



44.3566, 24.4016, 12.4997



42.1506, 21.8014, 6.1788



47.2861, 32.3956, 6.8941



18.1586, 18.0468, 19.4524



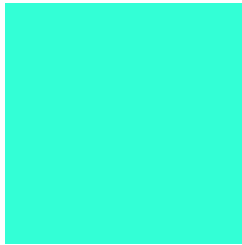
21.9057, 11.2516, 2.8882



2.1696, 1.1102, 0.4744

Previews

White Background



This preview shows how the XYZ color 49.2628, 77.0788, 75.8996 looks on a white background.

Color Contrast Check

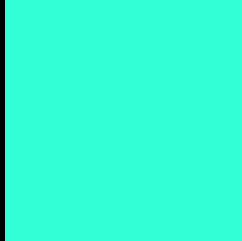
Large Text (above 18pt) WCAG AA × Fail

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 49.2628, 77.0788, 75.8996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

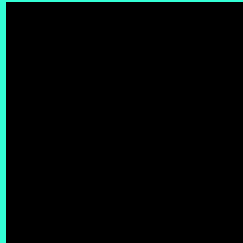
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

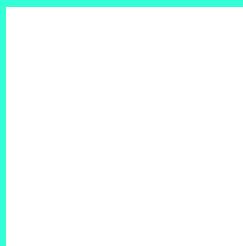
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2628, 77.0788, 75.8996

Background



This preview shows how black text looks on a background with the XYZ color 49.2628, 77.0788, 75.8996.

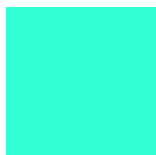


This preview shows how white text looks on a background with the XYZ color 49.2628, 77.0788,

Color Blindness Simulation

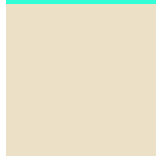
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



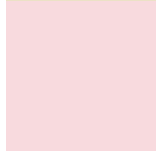
Original Color

49.2628, 77.0788, 75.8996



Protanopia

71.7103, 75.7605, 64.2698



Deuteranopia

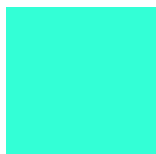
76.9676, 75.3732, 79.5991



Tritanopia

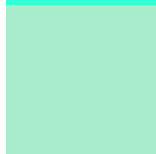
61.8997, 76.5202, 106.1151

Trichromacy



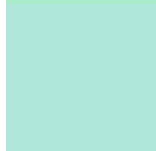
Original Color

49.2628, 77.0788, 75.8996



Protanomaly

57.2567, 72.7856, 68.1580



Deuteranomaly

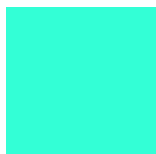
59.2666, 71.4964, 77.6943



Tritanomaly

55.4940, 75.7135, 94.1274

Monochromacy



Original Color

49.2628, 77.0788, 75.8996



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.6348, 57.1547, 62.1055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2628, 77.0788, 75.8996 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 49.2628, 77.0788, 75.8996 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, 214) }
```


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

```
.border{ border-color:rgb(51, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2628, 77.0788, 75.8996 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, 214) }
```

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

```
.background{ background-color: rgb(51, 255,  
214) }
```

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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