

Converting Colors

XYZ(49.9018, 77.4521, 73.9477)

Have a look what the booklet for
XYZ(49.9018, 77.4521, 73.9477)
contains.

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Color

**XYZ(49.9018, 77.4521,
73.9477)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 44FFD3 |
| RGB | 68, 255, 211 |
| RGB Percent | 27%, 100%, 83% |
| CMY | 0.7333, 0.0000, 0.1725 |
| CMYK | 0.73, 0.00, 0.17, 0.00 |
| HSL | 166°, 100%, 63% |
| HSV | 166°, 73%, 100% |
| XYZ | 49.9018, 77.4521, 73.9477 |
| YIQ | 194.0710, -97.3280, -53.3280 |

Conversions

Conversions Part 2

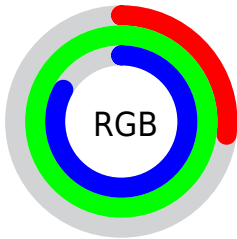
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 68, 174, 255 |
| Decimal | 4521939 |
| CIELab | 90.53, -55.82, 7.87 |
| CIELCh | 91, 56.367, 171.973 |
| Yxy | 77.4521, 0.2479, 0.3848 |
| Android (android.graphics.Color) | 4282712019 (0xFF44FFD3) |
| YUV | 194.0710, 8.3460, -110.5643 |
| Hunter-Lab | 88.0069, -52.7987, 11.7864 |

Details

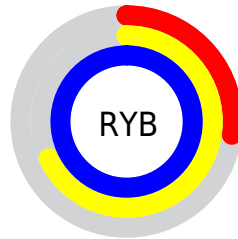
The XYZ color **49.9018, 77.4521, 73.9477** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.2327, 26.5654, 18.0222**, and the grayscale version is **51.3148, 53.9871, 58.7920**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **26.0521, 42.3668, 38.7028** is the 20% darker color. If you saturate the color by 10%, you get **47.7555, 76.4309, 69.9946**, and if you desaturate by 10%, it is **52.8506, 78.8837, 78.0876**.

Distribution



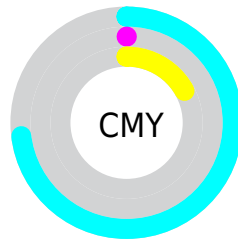
- Red (27%)
- Green (100%)
- Blue (83%)



- Red (27%)
- Yellow (68%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9018, 77.4521, 73.9477 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 49.9018, 77.4521, 73.9477 by changing the saturation by 10% instead.


 49.9018, 77.4521,
73.9477


 49.9018, 77.4521,
73.9477


376.7401,
486.3041, 493.4514


 35.5529, 57.6240,
54.2547


 89.2221, 129.7775,
126.5550

 24.2576, 41.5064,
38.4108


 114.9241,
163.0435, 160.3064

 15.6506, 28.7150,
25.9974


 145.1412,
201.5577, 199.5811

 9.3665, 18.8653,
16.5959

 180.2387,
245.7044, 244.7975

 5.0400, 11.5730,
9.7879

220.5820,
295.8680, 296.3741

 2.3058, 6.4537,
5.1548

266.5364,

 0.7976, 3.1228,

352.4329, 354.7297

2.2780

318.4674,
415.7834, 420.2826

■ 0.0000, 1.1962,
0.7189

■ 0.0000, 0.0586,
0.0000

■ 49.9018, 77.4521,
73.9477

■ 49.9018, 77.4521,
73.9477

■ 47.7555, 76.4309,
69.9946

■ 52.8506, 78.8837,
78.0876

■ 46.3004, 75.7629,
66.2175

■ 56.6886, 80.7704,
82.4160

■ 45.6103, 75.4601,
63.7911

■ 61.4939, 83.1525,
86.9393

■ 67.3352, 86.0653,
91.6622

■ 74.2750, 89.5410,
96.5892

■ 82.3704, 93.6091,
101.7244

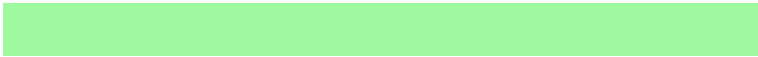
■ 91.6748, 98.2970,
107.0717

■ 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.



54.2589, 77.4521, 44.9742



49.9018, 77.4521, 73.9477



51.2280, 77.4521, 116.8469

Triad

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



49.9018, 77.4521, 73.9477



84.2328, 77.4521, 178.7715



91.6119, 77.4521, 36.7654

Complementary

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



49.9018, 77.4521, 73.9477



46.2327, 26.5654, 18.0222

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.



101.7280, 77.4521, 58.4892



49.9018, 77.4521, 73.9477



97.1030, 77.4521, 141.7758

Square

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



49.9018, 77.4521, 73.9477



69.8945, 77.4521, 186.9443



103.8563, 77.4521, 95.6460



77.4671, 77.4521, 28.4469

Rectangle

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



49.9018, 77.4521, 73.9477



55.2437, 77.4521, 147.6443



103.8563, 77.4521, 95.6460



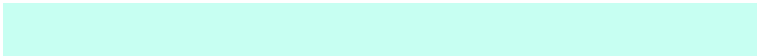
95.6672, 77.4521, 42.3347

Sweetspot

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



49.9027, 77.4525, 73.9491



75.2836, 90.0472, 97.2600



43.8420, 75.5658, 17.7453



15.6782, 19.0552, 20.5257



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.



49.9027, 77.4525, 73.9491



46.9975, 76.0789, 68.2090



43.0520, 53.6841, 102.7007



18.3613, 20.4041, 22.2056



23.8931, 39.4539, 33.6522



2.3684, 3.8583, 3.4980

Inverse Universe

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



46.2327, 26.5654, 18.0222



43.2964, 22.8499, 10.3933



48.3867, 33.8835, 9.4602



18.1845, 18.0571, 19.5887



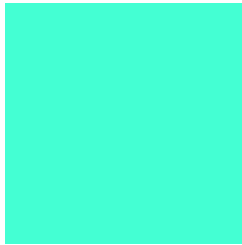
22.0224, 11.2983, 3.5027



2.1844, 1.1161, 0.5522

Previews

White Background



This preview shows how the XYZ color 49.9018, 77.4521, 73.9477 looks on a white background.

Color Contrast Check

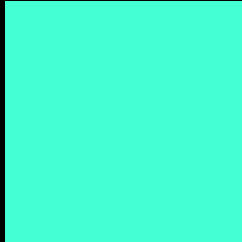
Large Text (above 18pt) WCAG AA × Fail

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 49.9018, 77.4521, 73.9477 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 49.9018, 77.4521, 73.9477

Background



This preview shows how black text looks on a background with the XYZ color 49.9018, 77.4521, 73.9477.



This preview shows how white text looks on a background with the XYZ color 49.9018, 77.4521,

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

49.9018, 77.4521, 73.9477

Protanopia

71.7006, 75.7951, 62.4806

Deuteranopia

77.2819, 75.5813, 77.5333



Tritanopia

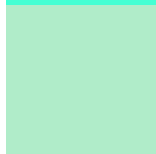
62.6422, 76.9029, 106.1499

Trichromacy



Original Color

49.9018, 77.4521, 73.9477



Protanomaly

58.4426, 73.4381, 66.3531



Deuteranomaly

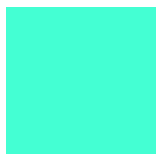
60.7377, 72.3000, 75.7198



Tritanomaly

56.5618, 76.2811, 93.4040

Monochromacy



Original Color

49.9018, 77.4521, 73.9477



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.1939, 59.5778, 63.6559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9018, 77.4521, 73.9477 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.9018, 77.4521, 73.9477 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, 211) }
```


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

```
.border{ border-color:rgb(68, 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(68, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(68, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9018, 77.4521, 73.9477 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, 211) }
```

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

```
.background{ background-color: rgb(68, 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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