

Converting Colors

XYZ(49.1794, 77.0455, 75.4602)

Have a look what the booklet for
XYZ(49.1794, 77.0455, 75.4602)
contains.

XYZ(49.1355, 77.0279, 75.2290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1355, 77.0279,
75.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFD5
RGB	51, 255, 213
RGB Percent	20%, 100%, 84%
CMY	0.8000, 0.0000, 0.1647
CMYK	0.80, 0.00, 0.16, 0.00
HSL	168°, 100%, 60%
HSV	168°, 80%, 100%
XYZ	49.1355, 77.0279, 75.2290
YIQ	189.2160, -108.1020, -56.3100

Conversions

Conversions Part 2

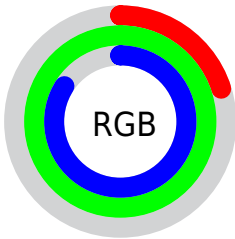
Format	Color
RYB	51, 165, 255
Decimal	3407829
CIELab	90.33, -57.05, 6.53
CIELCh	90, 57.423, 173.474
Yxy	77.0279, 0.2440, 0.3825
Android (android.graphics.Color)	4281597909 (0xFF33FFD5)
YUV	189.2160, 11.7255, -121.2154
Hunter-Lab	87.7655, -53.6565, 10.6149

Details

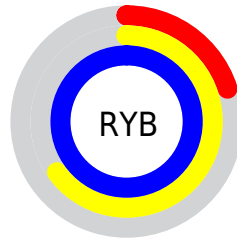
The XYZ color **49.1355, 77.0279, 75.2290** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.4006, 24.4193, 12.7316**, and the grayscale version is **48.4745, 50.9989, 55.5378**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **26.1378, 42.4011, 39.1544** is the 20% darker color. If you saturate the color by 10%, you get **47.5283, 76.2751, 71.7323**, and if you desaturate by 10%, it is **51.4693, 78.1528, 78.8751**.

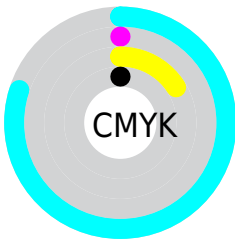
Distribution



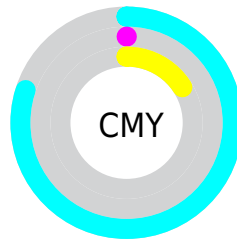
- Red (20%)
- Green (100%)
- Blue (84%)



- Red (20%)
- Yellow (65%)
- 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 49.1355, 77.0279, 75.2290 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 49.1355, 77.0279, 75.2290 by changing the saturation by 10% instead.


 49.1355, 77.0279,
75.2290


 49.1355, 77.0279,
75.2290


373.7836,
484.8591, 497.9807


 34.9420, 57.2758,
55.2977


 88.0922, 129.1789,
128.3865


 23.7845, 41.2267,
39.2399


 113.5860,
162.3465, 162.4498

 15.2977, 28.4963,
26.6371


 143.5774,
200.7547, 202.0608

 9.1163, 18.7001,
17.0709

 178.4315,
244.7880, 247.6381

 4.8748, 11.4538,
10.1225

218.5139,
294.8307, 299.6002

 2.2080, 6.3729,
5.3736

264.1898,

 0.7469, 3.0731,

351.2672, 358.3656

2.4056

315.8246,
414.4819, 424.3530

■ 0.0000, 1.1700,
0.7895

■ 0.0000, 0.0370,
0.0000

■ 49.1355, 77.0279,
75.2290

■ 49.1355, 77.0279,
75.2290

■ 47.5283, 76.2751,
71.7323

■ 51.4693, 78.1528,
78.8751

■ 46.4804, 75.8082,
68.3719

■ 54.6281, 79.7004,
82.6721

■ 46.4799, 75.8080,
68.3703

■ 58.6973, 81.7148,
86.6264

■ 63.7509, 84.2342,
90.7425

■ 69.8553, 87.2927,
95.0244

■ 77.0709, 90.9214,
99.4760

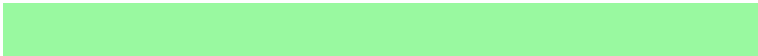
■ 85.4535, 95.1491,
104.1009

■ 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.



53.2516, 77.0279, 45.1661



49.1355, 77.0279, 75.2290



50.7622, 77.0279, 119.3418

Triad

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



49.1355, 77.0279, 75.2290



84.7300, 77.0279, 178.9109



90.8421, 77.0279, 35.1436

Complementary

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



49.1355, 77.0279, 75.2290



44.4006, 24.4193, 12.7316

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.



101.4642, 77.0279, 56.2320



49.1355, 77.0279, 75.2290



97.6263, 77.0279, 140.0623

Square

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



49.1355, 77.0279, 75.2290



70.1297, 77.0279, 189.0589



104.0958, 77.0279, 93.1492



76.3847, 77.0279, 27.4108

Rectangle

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



49.1355, 77.0279, 75.2290



55.0044, 77.0279, 150.6162



104.0958, 77.0279, 93.1492



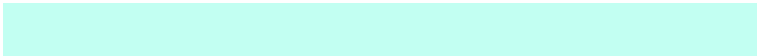
95.0520, 77.0279, 40.4939

Sweetspot

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



49.1364, 77.0283, 75.2304



74.0440, 89.3977, 97.6726



41.0990, 74.2033, 15.2900



15.3051, 18.8616, 20.5675



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.



49.1364, 77.0283, 75.2304



46.8588, 75.9743, 69.6992



39.4284, 47.9492, 101.7848



18.3852, 20.4136, 22.3314



24.3426, 39.6336, 36.0190



2.4086, 3.8744, 3.7097

Inverse Universe

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



44.4006, 24.4193, 12.7316



42.1823, 21.8141, 6.3460



47.2861, 32.3957, 6.8942



18.1623, 18.0482, 19.4719



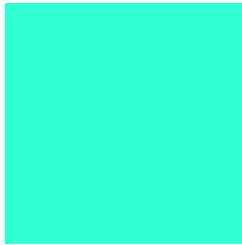
21.9213, 11.2578, 2.9698



2.1716, 1.1110, 0.4850

Previews

White Background



This preview shows how the XYZ color 49.1355, 77.0279, 75.2290 looks on a white background.

Color Contrast Check

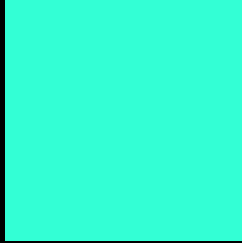
Large Text (above 18pt) WCAG AA × Fail

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 49.1355, 77.0279, 75.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

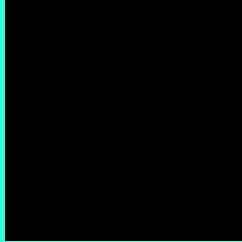
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1355, 77.0279, 75.2290

Background



This preview shows how black text looks on a background with the XYZ color 49.1355, 77.0279, 75.2290.

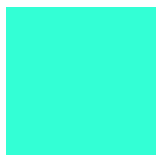


This preview shows how white text looks on a background with the XYZ color 49.1355, 77.0279,

Color Blindness Simulation

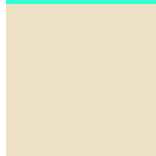
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



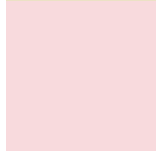
Original Color

49.1355, 77.0279, 75.2290



Protanopia

71.5953, 75.7145, 63.6642



Deuteranopia

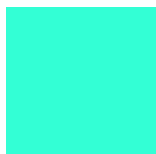
76.8339, 75.3197, 78.8952



Tritanopia

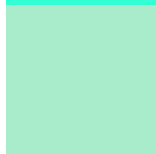
61.8997, 76.5202, 106.1151

Trichromacy



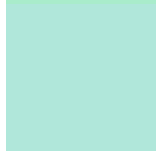
Original Color

49.1355, 77.0279, 75.2290



Protanomaly

57.1371, 72.7377, 67.5283



Deuteranomaly

59.1353, 71.4439, 77.0030



Tritanomaly

55.4940, 75.7135, 94.1274

Monochromacy



Original Color

49.1355, 77.0279, 75.2290



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 49.1355, 77.0279, 75.2290 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.1355, 77.0279, 75.2290 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, 213) }
```


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

```
.border{ border-color:rgb(51, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1355, 77.0279, 75.2290 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, 213) }
```

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

```
.background{ background-color: rgb(51, 255,  
213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor