

Converting Colors

XYZ(48.9756, 77.0387, 71.0129)

Have a look what the booklet for
XYZ(48.9756, 77.0387, 71.0129)
contains.

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Color

**XYZ(49.0091, 77.0491,
71.3204)**

Conversions

Conversions Part 1

Format	Color
Hex	3EFFCF
RGB	62, 255, 207
RGB Percent	24%, 100%, 81%
CMY	0.7568, 0.0000, 0.1882
CMYK	0.76, 0.00, 0.19, 0.00
HSL	165°, 100%, 62%
HSV	165°, 76%, 100%
XYZ	49.0091, 77.0491, 71.3204
YIQ	191.8210, -99.6200, -55.8440

Conversions

Conversions Part 2

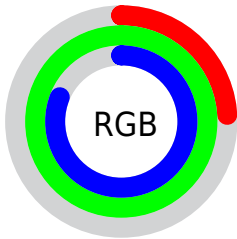
Format	Color
RYB	62, 172, 255
Decimal	4128719
CIELab	90.34, -57.44, 9.66
CIELCh	90, 58.244, 170.454
Yxy	77.0491, 0.2483, 0.3904
Android (android.graphics.Color)	4282318799 (0xFF3EFFCF)
YUV	191.8210, 7.4832, -113.8530
Hunter-Lab	87.7776, -53.9485, 13.2705

Details

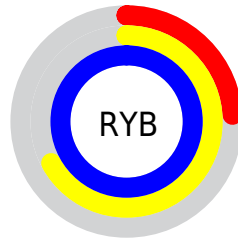
The XYZ color **49.0091, 77.0491, 71.3204** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.7780, 25.8323, 17.3274**, and the grayscale version is **49.9991, 52.6030, 57.2846**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **25.7160, 42.2324, 36.9333** is the 20% darker color. If you saturate the color by 10%, you get **47.0081, 76.1054, 67.2611**, and if you desaturate by 10%, it is **51.7922, 78.3925, 75.5815**.

Distribution



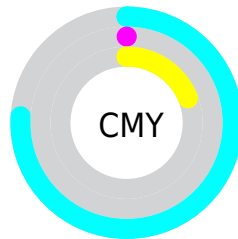
- Red (24%)
- Green (100%)
- Blue (81%)



- Red (24%)
- Yellow (67%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0091, 77.0491, 71.3204 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 49.0091, 77.0491, 71.3204 by changing the saturation by 10% instead.


 49.0091, 77.0491,
71.3204


 49.0091, 77.0491,
71.3204


373.2945,
484.9314, 484.0865


 34.8413, 57.2932,
52.1203


 87.9056, 129.2088,
122.7885


 23.7066, 41.2407,
36.7180


 113.3650,
162.3813, 155.8936

 15.2396, 28.5072,
24.6952


 143.3189,
200.7949, 194.4708

 9.0752, 18.7083,
15.6332

 178.1328,
244.8338, 238.9386

 4.8477, 11.4597,
9.1134

218.1719,
294.8826, 289.7155

 2.1920, 6.3769,
4.7174

263.8017,

 0.7385, 3.0756,

351.3255, 347.2201

2.0266

315.3874,
414.5470, 411.8709

■ 0.0000, 1.1713,
0.5716

■ 0.0000, 0.0381,
0.0000

■ 49.0091, 77.0491,
71.3204

■ 49.0091, 77.0491,
71.3204

■ 47.0081, 76.1054,
67.2611

■ 51.7922, 78.3925,
75.5815

■ 45.6715, 75.5006,
63.3924

■ 55.4480, 80.1820,
80.0467

■ 45.2279, 75.3072,
61.7774

■ 60.0571, 82.4594,
84.7227

■ 65.6900, 85.2608,
89.6146

■ 72.4104, 88.6191,
94.7273

■ 80.2769, 92.5644,
100.0652

■ 89.3436, 97.1247,
105.6326

■ 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.



53.7470, 77.0491, 42.5912



49.0091, 77.0491, 71.3204



50.0674, 77.0491, 115.0474

Triad

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



49.0091, 77.0491, 71.3204



83.4275, 77.0491, 183.3090



92.4837, 77.0491, 36.1122

Complementary

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



49.0091, 77.0491, 71.3204



45.7780, 25.8323, 17.3274

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.



102.6262, 77.0491, 58.9419



49.0091, 77.0491, 71.3204



96.9370, 77.0491, 145.7866

Square

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



49.0091, 77.0491, 71.3204



68.7000, 77.0491, 190.0120



104.3557, 77.0491, 97.8634



77.9609, 77.0491, 27.1708

Rectangle

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



49.0091, 77.0491, 71.3204



53.9785, 77.0491, 147.1927



104.3557, 77.0491, 97.8634



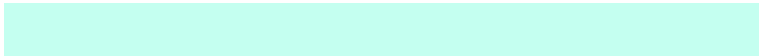
96.5949, 77.0491, 41.9770

Sweetspot

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



49.0100, 77.0495, 71.3218



74.4058, 89.6186, 96.1369



43.0922, 75.1994, 16.8026



15.3549, 18.8961, 20.1717



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.



49.0100, 77.0495, 71.3218



46.2233, 75.7460, 65.1805



42.2901, 52.7502, 102.5606



18.3504, 20.3997, 22.1484



23.6954, 39.3747, 32.6107



2.3507, 3.8512, 3.4044

Inverse Universe

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



45.7780, 25.8323, 17.3274



43.0180, 22.4598, 9.7862



47.7135, 32.8154, 8.3780



18.1946, 18.0612, 19.6421



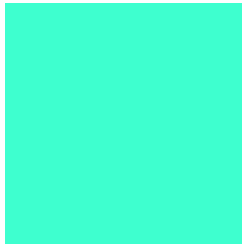
22.0734, 11.3186, 3.7708



2.1906, 1.1186, 0.5850

Previews

White Background



This preview shows how the XYZ color 49.0091, 77.0491, 71.3204 looks on a white background.

Color Contrast Check

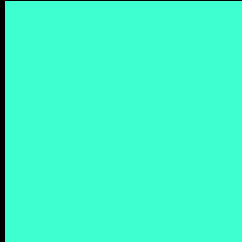
Large Text (above 18pt) WCAG AA × Fail

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 49.0091, 77.0491, 71.3204 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 49.0091, 77.0491, 71.3204

Background



This preview shows how black text looks on a background with the XYZ color 49.0091, 77.0491, 71.3204.

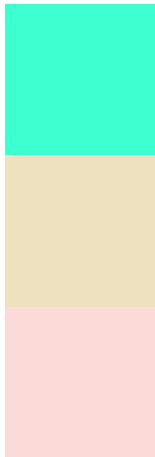


This preview shows how white text looks on a background with the XYZ color 49.0091, 77.0491,

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

49.0091, 77.0491, 71.3204

Protanopia

71.2542, 75.6165, 60.1302

Deuteranopia

77.1208, 75.5583, 74.8095



Tritanopia

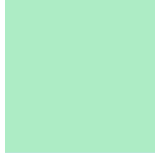
61.7878, 76.0242, 106.0253

Trichromacy



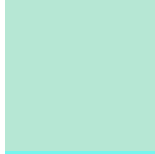
Original Color

49.0091, 77.0491, 71.3204



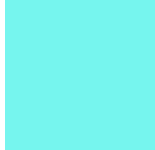
Protanomaly

57.3071, 72.9064, 63.8753



Deuteranomaly

59.7510, 71.8504, 73.0067



Tritanomaly

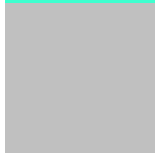
55.5562, 75.3294, 92.5008

Monochromacy



Original Color

49.0091, 77.0491, 71.3204



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.0555, 58.6518, 61.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0091, 77.0491, 71.3204 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(62, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 207)  
}
```

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(62, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.0091, 77.0491, 71.3204 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(62, 255, 207) }
```


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

```
.border{ border-color:rgb(62, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0091, 77.0491, 71.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 207) }
```

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

```
.background{ background-color: rgb(62, 255,  
207) }
```

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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