

Converting Colors

XYZ(59.5901, 100.0000,
75.3596)

Have a look what the booklet for
XYZ(59.5901, 100.0000, 75.3596)
contains.

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Color

**XYZ(47.7854, 76.4183,
71.2631)**

Conversions

Conversions Part 1

Format	Color
Hex	25FFCF
RGB	37, 255, 207
RGB Percent	15%, 100%, 81%
CMY	0.8548, 0.0000, 0.1882
CMYK	0.85, 0.00, 0.19, 0.00
HSL	167°, 100%, 57%
HSV	167°, 85%, 100%
XYZ	47.7854, 76.4183, 71.2631
YIQ	184.3460, -114.5200, -61.1440

Conversions

Conversions Part 2

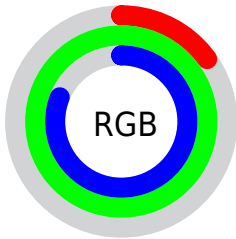
Format	Color
RYB	37, 159, 255
Decimal	2490319
CIELab	90.05, -59.55, 9.20
CIELCh	90, 60.255, 171.213
Yxy	76.4183, 0.2445, 0.3910
Android (android.graphics.Color)	4280680399 (0xFF25FFCF)
YUV	184.3460, 11.1684, -129.2224
Hunter-Lab	87.4176, -55.4066, 12.8589

Details

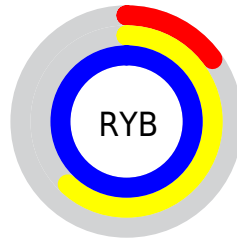
The XYZ color **47.7854, 76.4183, 71.2631** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.5423, 23.2402, 10.7880**, and the grayscale version is **45.7390, 48.1210, 52.4037**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **25.7160, 42.2324, 36.9333** is the 20% darker color. If you saturate the color by 10%, you get **46.4932, 75.8300, 67.6837**, and if you desaturate by 10%, it is **49.7407, 77.3455, 75.0037**.

Distribution



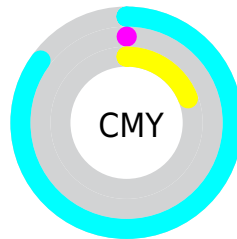
- Red (15%)
- Green (100%)
- Blue (81%)



- Red (15%)
- Yellow (62%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7854, 76.4183, 71.2631 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 47.7854, 76.4183, 71.2631 by changing the saturation by 10% instead.


 47.7854, 76.4183,
71.2631


 47.7854, 76.4183,
71.2631


368.5376,
482.7784, 483.8811


 33.8675, 56.7756,
52.0738


 86.0964, 128.3180,
122.7062


 22.9542, 40.8251,
36.6812


 111.2203,
161.3438, 155.7971

 14.6802, 28.1824,
24.6669


 140.8102,
199.5994, 194.3589

 8.6801, 18.4632,
15.6123

 175.2315,
243.4692, 238.8102

 4.5886, 11.2831,
9.0989

214.8495,
293.3376, 289.5696

 2.0402, 6.2576,
4.7080

260.0296,

 0.6564, 3.0023,

349.5890, 347.0555

2.0213

311.1372,
412.6078, 411.6864

■ 0.0000, 1.1329,
0.5683

■ 0.0000, 0.0059,
0.0000

■ 47.7854, 76.4183,
71.2631

■ 47.7854, 76.4183,
71.2631

■ 46.4932, 75.8300,
67.6837

■ 49.7407, 77.3455,
75.0037

■ 46.0516, 75.6366,
66.1147

■ 52.4712, 78.6696,
78.9080

■ 56.0703, 80.4385,
82.9829

■ 60.6174, 82.6933,
87.2335

66.1829, 85.4700,
91.6642

72.8302, 88.8016,
96.2792

80.6175, 92.7179,
101.0825

89.5991, 97.2468,
106.0778

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.



52.4665, 76.4183, 41.5833



47.7854, 76.4183, 71.2631



49.0130, 76.4183, 116.6609

Triad

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



47.7854, 76.4183, 71.2631



83.5297, 76.4183, 185.8603



92.1519, 76.4183, 34.1476

Complementary

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



47.7854, 76.4183, 71.2631



43.5423, 23.2402, 10.7880

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.



102.8341, 76.4183, 56.8503



47.7854, 76.4183, 71.2631



97.4007, 76.4183, 146.1033

Square

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



47.7854, 76.4183, 71.2631



68.3336, 76.4183, 193.8468



104.8764, 76.4183, 96.4150



77.1097, 76.4183, 25.5144

Rectangle

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



47.7854, 76.4183, 71.2631



53.0985, 76.4183, 150.0219



104.8764, 76.4183, 96.4150



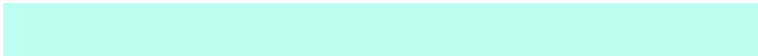
96.4530, 76.4183, 39.9253

Sweetspot

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



47.7862, 76.4187, 71.2645



72.4598, 88.6156, 96.0366



40.1072, 73.7225, 13.8675



14.9938, 18.7087, 20.2098



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.



47.7862, 76.4187, 71.2645



46.0516, 75.6366, 66.1147



38.7504, 47.4875, 101.7314



18.3736, 20.4090, 22.2702



24.1213, 39.5451, 34.8535



2.3889, 3.8665, 3.6056

Inverse Universe

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



43.5423, 23.2402, 10.7880



41.9574, 21.5470, 5.7080



45.6794, 29.6042, 5.0582



18.1731, 18.0525, 19.5286



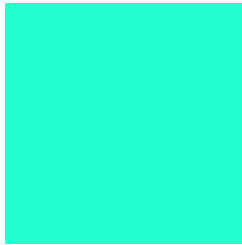
21.9687, 11.2768, 3.2197



2.1776, 1.1134, 0.5169

Previews

White Background



This preview shows how the XYZ color 47.7854, 76.4183, 71.2631 looks on a white background.

Color Contrast Check

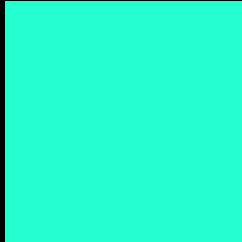
Large Text (above 18pt) WCAG AA × Fail

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 47.7854, 76.4183, 71.2631 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

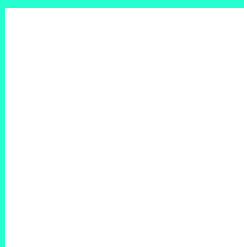
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7854, 76.4183, 71.2631

Background



This preview shows how black text looks on a background with the XYZ color 47.7854, 76.4183, 71.2631.

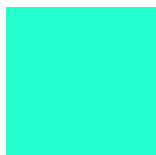


This preview shows how white text looks on a background with the XYZ color 47.7854, 76.4183,

Color Blindness Simulation

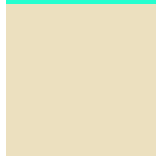
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



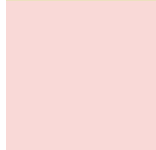
Original Color

47.7854, 76.4183, 71.2631



Protanopia

70.6517, 74.9058, 60.0247



Deuteranopia

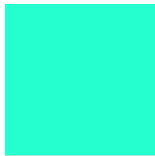
76.1455, 74.6717, 74.6898



Tritanopia

60.7117, 75.4695, 105.9750

Trichromacy



Original Color

47.7854, 76.4183, 71.2631



Protanomaly

55.0962, 71.3404, 63.6895



Deuteranomaly

57.4728, 70.6759, 72.9000



Tritanomaly

53.9107, 74.4811, 92.4238

Monochromacy



Original Color

47.7854, 76.4183, 71.2631



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.9211, 54.7243, 58.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7854, 76.4183, 71.2631 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(37, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.7854, 76.4183, 71.2631 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(37, 255, 207) }
```


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

```
.border{ border-color:rgb(37, 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(37, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(37, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7854, 76.4183, 71.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 255, 207) }
```

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

```
.background{ background-color: rgb(37, 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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