

Converting Colors

XYZ(60.8933, 100.0000,
70.4147)

Have a look what the booklet for
XYZ(60.8933, 100.0000, 70.4147)
contains.

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Color

**XYZ(49.5485, 77.4374,
66.3683)**

Conversions

Conversions Part 1

Format	Color
Hex	52FFC7
RGB	82, 255, 199
RGB Percent	32%, 100%, 78%
CMY	0.6784, 0.0000, 0.2196
CMYK	0.68, 0.00, 0.22, 0.00
HSL	161°, 100%, 66%
HSV	161°, 68%, 100%
XYZ	49.5485, 77.4374, 66.3683
YIQ	196.8890, -85.1320, -54.0920

Conversions

Conversions Part 2

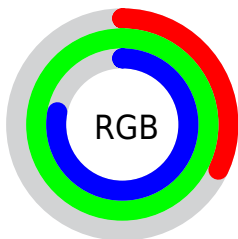
Format	Color
RYB	82, 185, 255
Decimal	5439431
CIELab	90.52, -56.74, 14.08
CIElCh	91, 58.462, 166.060
Yxy	77.4374, 0.2563, 0.4005
Android (android.graphics.Color)	4283629511 (0xFF52FFC7)
YUV	196.8890, 1.0407, -100.7577
Hunter-Lab	87.9985, -53.4911, 16.8826

Details

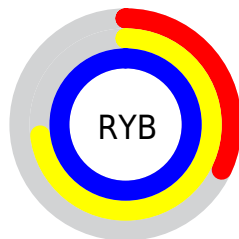
The XYZ color **49.5485, 77.4374, 66.3683** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.8454, 29.1306, 27.0945**, and the grayscale version is **53.0353, 55.7972, 60.7632**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **25.0771, 41.9768, 33.5687** is the 20% darker color. If you saturate the color by 10%, you get **46.7956, 76.1259, 61.3723**, and if you desaturate by 10%, it is **53.1783, 79.1948, 71.6794**.

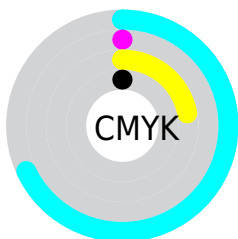
Distribution



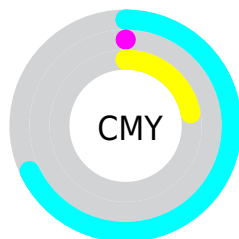
- Red (32%)
- Green (100%)
- Blue (78%)



- Red (32%)
- Yellow (73%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5485, 77.4374, 66.3683 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 49.5485, 77.4374, 66.3683 by changing the saturation by 10% instead.


 49.5485, 77.4374,
66.3683


 49.5485, 77.4374,
66.3683

375.3789,
486.2541, 466.1330


 35.2711, 57.6119,
48.1131


 88.7014, 129.7567,
115.6468

 24.0393, 41.4967,
33.5558


 114.3076,
163.0194, 147.5072

 15.4877, 28.7074,
22.2780

 144.4208,
201.5299, 184.7397

 9.2509, 18.8596,
13.8610

 179.4063,
245.6727, 227.7629

 4.9636, 11.5689,
7.8864

219.6295,
295.8321, 276.9952

 2.2605, 6.4508,
3.9356

265.4558,

 0.7743, 3.1211,

352.3925, 332.8554

1.5901

317.2505,
415.7384, 395.7618

■ 0.0000, 1.1953,
0.2837

■ 0.0000, 0.0579,
0.0000

■ 49.5485, 77.4374,
66.3683

■ 49.5485, 77.4374,
66.3683

■ 46.7956, 76.1259,
61.3723

■ 53.1783, 79.1948,
71.6794

■ 44.8199, 75.2092,
56.6785

■ 57.7653, 81.4396,
77.3095

■ 43.4923, 74.6209,
52.2778

■ 63.3830, 84.2096,
83.2675

■ 43.2504, 74.5162,
51.3638

■ 70.0968, 87.5384,
89.5605

■ 77.9667, 91.4568,
96.1950

■ 87.0482, 95.9933,
103.1776

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.



55.1570, 77.4374, 39.8768



49.5485, 77.4374, 66.3683



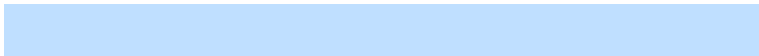
49.7556, 77.4374, 108.6099

Triad

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



49.5485, 77.4374, 66.3683



81.6568, 77.4374, 187.7738



94.8852, 77.4374, 38.6118

Complementary

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



49.5485, 77.4374, 66.3683



48.8454, 29.1306, 27.0945

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.



104.0598, 77.4374, 63.9454



49.5485, 77.4374, 66.3683



95.7590, 77.4374, 153.4377

Square

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



49.5485, 77.4374, 66.3683



67.0346, 77.4374, 189.0917



104.3993, 77.4374, 105.2390



80.5848, 77.4374, 27.8262

Rectangle

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



49.5485, 77.4374, 66.3683



53.1332, 77.4374, 141.1467



104.3993, 77.4374, 105.2390



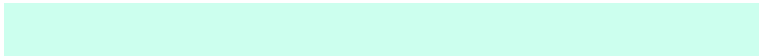
98.7494, 77.4374, 45.2467

Sweetspot

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



49.5492, 77.4377, 66.3696



76.1668, 90.5593, 94.7333



48.0430, 77.6762, 20.4447



15.8192, 19.1425, 19.8747



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.



49.5492, 77.4377, 66.3696



46.0925, 75.7963, 59.8571



48.7722, 63.4980, 104.2935



18.2901, 20.3756, 21.8304



22.6707, 38.9649, 27.2147



2.2575, 3.8139, 2.9137

Inverse Universe

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



48.8454, 29.1306, 27.0945



45.4278, 24.6558, 18.6780



48.4300, 33.2029, 11.8401



18.2517, 18.0840, 19.9427



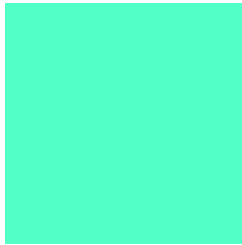
22.4157, 11.4556, 5.5738



2.2301, 1.1344, 0.7933

Previews

White Background



This preview shows how the XYZ color 49.5485, 77.4374, 66.3683 looks on a white background.

Color Contrast Check

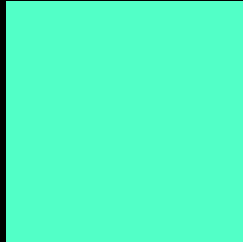
Large Text (above 18pt) WCAG AA × Fail

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 49.5485, 77.4374, 66.3683 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 49.5485, 77.4374, 66.3683

Background



This preview shows how black text looks on a background with the XYZ color 49.5485, 77.4374, 66.3683.

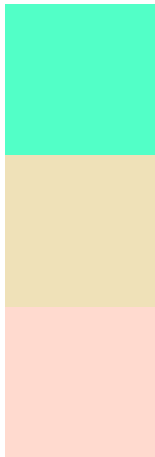


This preview shows how white text looks on a background with the XYZ color 49.5485, 77.4374,

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

49.5485, 77.4374, 66.3683

Protanopia

71.1735, 75.6618, 56.2003

Deuteranopia

77.5739, 75.9078, 69.5946



Tritanopia

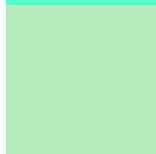
62.7277, 76.5087, 106.0693

Trichromacy



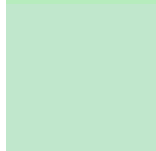
Original Color

49.5485, 77.4374, 66.3683



Protanomaly

58.4722, 73.6101, 59.2705



Deuteranomaly

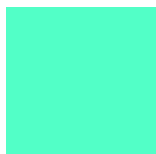
61.2132, 72.7179, 67.9364



Tritanomaly

56.5499, 75.8922, 90.2654

Monochromacy



Original Color

49.5485, 77.4374, 66.3683



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.7820, 61.1886, 62.6656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5485, 77.4374, 66.3683 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(82, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 199)  
}
```

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(82, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.5485, 77.4374, 66.3683 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(82, 255, 199) }
```


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

```
.border{ border-color:rgb(82, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5485, 77.4374, 66.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 199) }
```

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

```
.background{ background-color: rgb(82, 255,  
199) }
```

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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