

Converting Colors

XYZ(48.5540, 76.7956, 72.1561)

Have a look what the booklet for
XYZ(48.5540, 76.7956, 72.1561)
contains.

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Color

**XYZ(48.5104, 76.7779,
71.9374)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFD0
RGB	51, 255, 208
RGB Percent	20%, 100%, 82%
CMY	0.8000, 0.0000, 0.1843
CMYK	0.80, 0.00, 0.18, 0.00
HSL	166°, 100%, 60%
HSV	166°, 80%, 100%
XYZ	48.5104, 76.7779, 71.9374
YIQ	188.6460, -106.4970, -57.8650

Conversions

Conversions Part 2

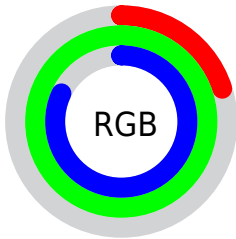
Format	Color
RYB	51, 166, 255
Decimal	3407824
CIELab	90.22, -58.26, 8.94
CIELCh	90, 58.946, 171.272
Yxy	76.7779, 0.2460, 0.3893
Android (android.graphics.Color)	4281597904 (0xFF33FFD0)
YUV	188.6460, 9.5415, -120.7155
Hunter-Lab	87.6230, -54.5179, 12.6597

Details

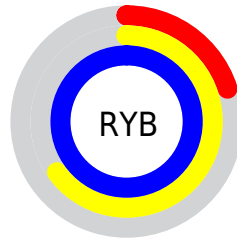
The XYZ color **48.5104, 76.7779, 71.9374** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.6293, 24.5106, 13.9363**, and the grayscale version is **48.1599, 50.6680, 55.1774**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **25.7990, 42.2656, 37.3702** is the 20% darker color. If you saturate the color by 10%, you get **46.8493, 76.0035, 68.1570**, and if you desaturate by 10%, it is **50.9032, 77.9263, 75.8945**.

Distribution



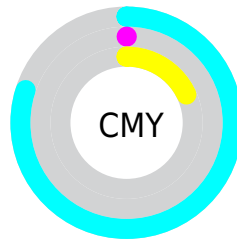
- Red (20%)
- Green (100%)
- Blue (82%)



- Red (20%)
- Yellow (65%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5104, 76.7779, 71.9374 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 48.5104, 76.7779, 71.9374 by changing the saturation by 10% instead.


 48.5104, 76.7779,
71.9374


 48.5104, 76.7779,
71.9374


371.3607,
484.0064, 486.2954


 34.4442, 57.0706,
52.6210


 87.1690, 128.8259,
123.6744


 23.3995, 41.0619,
37.1147


 112.4920,
161.9354, 156.9321

 15.0111, 28.3675,
24.9998


 142.2981,
200.2811, 195.6740

 8.9136, 18.6029,
15.8579

 176.9525,
244.2474, 240.3187

 4.7415, 11.3837,
9.2704

216.8206,
294.2187, 291.2846

 2.1296, 6.3255,
4.8187

262.2677,

 0.7052, 3.0440,

350.5794, 348.9903

2.0844

313.6593,
413.7138, 413.8544

■ 0.0000, 1.1548,
0.6065

■ 0.0000, 0.0243,
0.0000

■ 48.5104, 76.7779,
71.9374

■ 48.5104, 76.7779,
71.9374

■ 46.8493, 76.0035,
68.1570

■ 50.9032, 77.9263,
75.8945

■ 45.7527, 75.5171,
64.5399

■ 54.1262, 79.4996,
80.0304

■ 45.7522, 75.5169,
64.5384

■ 58.2651, 81.5419,
84.3519

■ 63.3938, 84.0913,
88.8639

■ 69.5789, 87.1821,
93.5708

■ 76.8807, 90.8453,
98.4769

■ 85.3552, 95.1097,
103.5861

■ 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.



53.1211, 76.7779, 42.5829



48.5104, 76.7779, 71.9374



49.7346, 76.7779, 116.4368

Triad

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



48.5104, 76.7779, 71.9374



83.6859, 76.7779, 183.6390



92.0674, 76.7779, 35.1134

Complementary

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



48.5104, 76.7779, 71.9374



44.6293, 24.5106, 13.9363

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.



102.5180, 76.7779, 57.5989



48.5104, 76.7779, 71.9374



97.2461, 76.7779, 144.9523

Square

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



48.5104, 76.7779, 71.9374



68.7810, 76.7779, 191.4616



104.5304, 76.7779, 96.4553



77.3363, 76.7779, 26.5021

Rectangle

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



48.5104, 76.7779, 71.9374



53.7746, 76.7779, 148.9508



104.5304, 76.7779, 96.4553



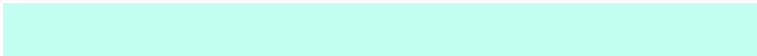
96.2753, 76.7779, 40.8558

Sweetspot

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



48.5112, 76.7783, 71.9388



73.8191, 89.3078, 96.4881



41.4607, 74.3898, 15.3067



15.2505, 18.8398, 20.2795



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.



48.5112, 76.7783, 71.9388



46.1500, 75.6908, 65.9668



40.2100, 49.5125, 102.0453



18.3653, 20.4056, 22.2265



23.9665, 39.4832, 34.0387



2.3750, 3.8609, 3.5327

Inverse Universe

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



44.6293, 24.5106, 13.9363



42.3519, 21.8819, 7.2390



46.9310, 31.6856, 6.7756



18.1808, 18.0556, 19.5692



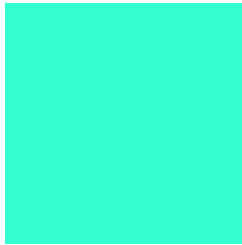
22.0046, 11.2911, 3.4087



2.1821, 1.1152, 0.5406

Previews

White Background



This preview shows how the XYZ color 48.5104, 76.7779, 71.9374 looks on a white background.

Color Contrast Check

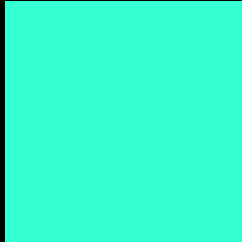
Large Text (above 18pt) WCAG AA × Fail

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 48.5104, 76.7779, 71.9374 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

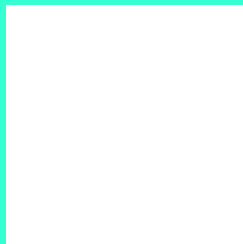
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5104, 76.7779, 71.9374

Background



This preview shows how black text looks on a background with the XYZ color 48.5104, 76.7779, 71.9374.



This preview shows how white text looks on a background with the XYZ color 48.5104, 76.7779,

Color Blindness Simulation

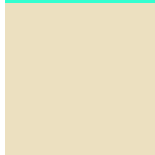
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



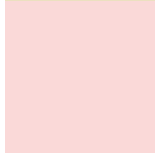
Original Color

48.5104, 76.7779, 71.9374



Protanopia

70.7622, 74.9499, 60.6064



Deuteranopia

76.6319, 74.9076, 75.3854



Tritanopia

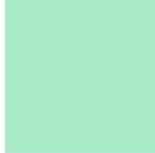
61.2427, 75.7432, 105.9998

Trichromacy



Original Color

48.5104, 76.7779, 71.9374



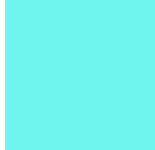
Protanomaly

56.2636, 71.9289, 64.3443



Deuteranomaly

58.9463, 71.4209, 73.6296



Tritanomaly

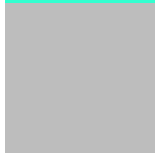
54.7671, 74.9226, 92.4639

Monochromacy



Original Color

48.5104, 76.7779, 71.9374



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.4055, 57.0630, 60.8984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5104, 76.7779, 71.9374 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 208) }
```

Border

The CSS property to change the border of an element to XYZ 48.5104, 76.7779, 71.9374 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, 208) }
```


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

```
.border{ border-color:rgb(51, 255, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5104, 76.7779, 71.9374 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, 208) }
```

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

```
.background{ background-color: rgb(51, 255,  
208) }
```

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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