

Converting Colors

XYZ(48.1354, 76.6060, 70.9511)

Have a look what the booklet for
XYZ(48.1354, 76.6060, 70.9511)
contains.

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Color

**XYZ(48.0729, 76.5806,
70.6403)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 2FFFCE |
| RGB | 47, 255, 206 |
| RGB Percent | 18%, 100%, 81% |
| CMY | 0.8156, 0.0000, 0.1921 |
| CMYK | 0.82, 0.00, 0.19, 0.00 |
| HSL | 166°, 100%, 59% |
| HSV | 166°, 82%, 100% |
| XYZ | 48.0729, 76.5806, 70.6403 |
| YIQ | 187.2220, -108.2390, -59.3350 |

Conversions

Conversions Part 2

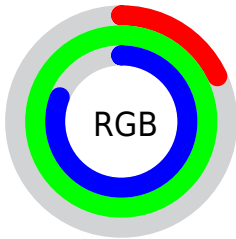
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 47, 165, 255 |
| Decimal | 3145678 |
| CIELab | 90.13, -59.08, 9.84 |
| CIElCh | 90, 59.890, 170.542 |
| Yxy | 76.5806, 0.2462, 0.3921 |
| Android (android.graphics.Color) | 4281335758 (0xFF2FFFCE) |
| YUV | 187.2220, 9.2576, -122.9747 |
| Hunter-Lab | 87.5103, -55.0860, 13.3970 |




Details

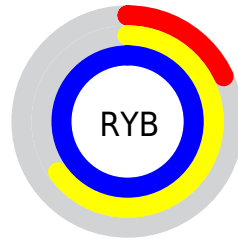
The XYZ color **48.0729, 76.5806, 70.6403** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.3689, 24.1388, 13.3898**, and the grayscale version is **47.3544, 49.8205, 54.2545**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **25.6337, 42.1995, 36.5000** is the 20% darker color. If you saturate the color by 10%, you get **46.5050, 75.8550, 66.8307**, and if you desaturate by 10%, it is **50.3558, 77.6715, 74.6316**.

Distribution







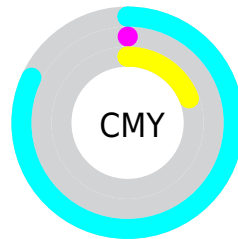
-  Red (18%)
-  Green (100%)
-  Blue (81%)






-  Red (18%)
-  Yellow (65%)
-  Blue (100%)



-  Cyan (82%)
-  Magenta (0%)
-  Yellow (19%)
-  Black (0%)





-  Cyan (82%)
-  Magenta (0%)
-  Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0729, 76.5806, 70.6403 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 48.0729, 76.5806, 70.6403 by changing the saturation by 10% instead.


 48.0729, 76.5806,
70.6403


 48.0729, 76.5806,
70.6403


369.6588,
483.3329, 481.6448


 34.0961, 56.9087,
51.5687


 86.5220, 128.5473,
121.8111


 23.1307, 40.9320,
36.2815


 111.7250,
161.6109, 154.7473

 14.8113, 28.2659,
24.3603


 141.4007,
199.9072, 193.1422

 8.7725, 18.5262,
15.3864

 175.9147,
243.8206, 237.4142

 4.6490, 11.3284,
8.9414

215.6321,
293.7354, 287.9819

 2.0754, 6.2882,
4.6067

260.9183,

 0.6758, 3.0211,

350.0362, 345.2639

1.9637

312.1388,
413.1072, 409.6787

■ 0.0000, 1.1428,
0.5328

■ 0.0000, 0.0142,
0.0000

■ 48.0729, 76.5806,
70.6403

■ 48.0729, 76.5806,
70.6403

■ 46.5050, 75.8550,
66.8307

■ 50.3558, 77.6715,
74.6316

■ 45.6020, 75.4568,
63.7474

■ 53.4555, 79.1802,
78.8071

■ 57.4598, 81.1520,
83.1736

■ 62.4442, 83.6257,
87.7363

68.4761, 86.6361,
92.4998

75.6169, 90.2148,
97.4685

83.9232, 94.3908,
102.6464

93.4476, 99.1913,
108.0376

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.



52.8708, 76.5806, 41.4237



48.0729, 76.5806, 70.6403



49.1650, 76.5806, 115.5389

Triad

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



48.0729, 76.5806, 70.6403



83.2871, 76.5806, 185.9504



92.5091, 76.5806, 34.7976

Complementary

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



48.0729, 76.5806, 70.6403



44.3689, 24.1388, 13.3898

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.



102.9740, 76.5806, 57.8268



48.0729, 76.5806, 70.6403



97.1667, 76.5806, 146.9884

Square

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



48.0729, 76.5806, 70.6403



68.1903, 76.5806, 193.0251



104.7857, 76.5806, 97.5733



77.5869, 76.5806, 25.8897

Rectangle

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



48.0729, 76.5806, 70.6403



53.1524, 76.5806, 148.7278



104.7857, 76.5806, 97.5733



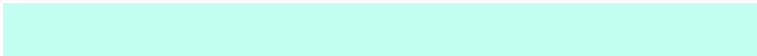
96.7456, 76.5806, 40.6834

Sweetspot

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



48.0737, 76.5810, 70.6417



73.7717, 89.2888, 96.2387



41.4200, 74.3786, 14.8642



15.2389, 18.8352, 20.2189



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.



48.0737, 76.5810, 70.6417



45.8022, 75.5443, 64.4684



40.5796, 50.5381, 102.2238



18.3611, 20.4040, 22.2044



23.8889, 39.4521, 33.6296



2.3681, 3.8581, 3.4960

Inverse Universe

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



44.3689, 24.1388, 13.3898



42.2200, 21.7406, 6.8174



46.2161, 30.3909, 6.1209



18.1847, 18.0572, 19.5898



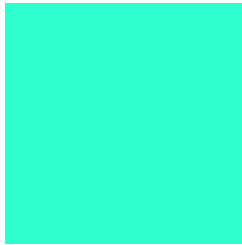
22.0235, 11.2987, 3.5083



2.1845, 1.1162, 0.5529

Previews

White Background



This preview shows how the XYZ color 48.0729, 76.5806, 70.6403 looks on a white background.

Color Contrast Check

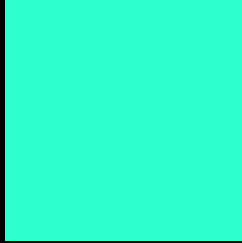
Large Text (above 18pt) WCAG AA × Fail

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 48.0729, 76.5806, 70.6403 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

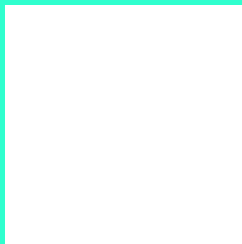
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0729, 76.5806, 70.6403

Background



This preview shows how black text looks on a background with the XYZ color 48.0729, 76.5806, 70.6403.

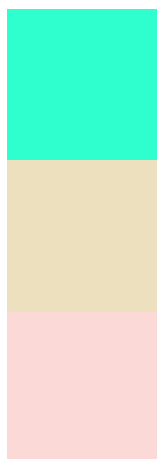


This preview shows how white text looks on a background with the XYZ color 48.0729, 76.5806, 70.6403.

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

48.0729, 76.5806, 70.6403

Protanopia

70.5420, 74.8619, 59.4470

Deuteranopia

76.3748, 74.8047, 74.0317



Tritanopia

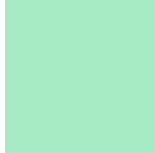
61.0641, 75.6512, 105.9915

Trichromacy



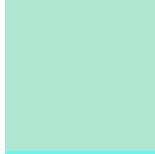
Original Color

48.0729, 76.5806, 70.6403



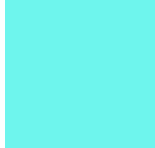
Protanomaly

55.6085, 71.6177, 63.1173



Deuteranomaly

58.2383, 71.0851, 72.2793



Tritanomaly

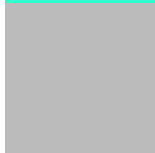
54.3689, 74.7342, 91.6804

Monochromacy



Original Color

48.0729, 76.5806, 70.6403



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.4344, 56.2162, 59.6005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0729, 76.5806, 70.6403 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(47, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(47, 255, 206)  
}
```

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(47, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 48.0729, 76.5806, 70.6403 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(47, 255, 206) }
```


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

```
.border{ border-color:rgb(47, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(47, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0729, 76.5806, 70.6403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 206) }
```

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

```
.background{ background-color: rgb(47, 255,  
206) }
```

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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