

Converting Colors

XYZ(47.8381, 76.5572, 66.2167)

Have a look what the booklet for
XYZ(47.8381, 76.5572, 66.2167)
contains.

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Color

**XYZ(47.8724, 76.5733,
66.2898)**

Conversions

Conversions Part 1

Format	Color
Hex	3BFFC7
RGB	59, 255, 199
RGB Percent	23%, 100%, 78%
CMY	0.7686, 0.0000, 0.2196
CMYK	0.77, 0.00, 0.22, 0.00
HSL	163°, 100%, 62%
HSV	163°, 77%, 100%
XYZ	47.8724, 76.5733, 66.2898
YIQ	190.0120, -98.8400, -58.9680

Conversions

Conversions Part 2

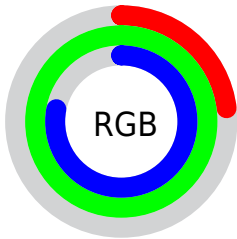
Format	Color
RYB	59, 173, 255
Decimal	3932103
CIELab	90.12, -59.62, 13.47
CIELCh	90, 61.117, 167.272
Yxy	76.5733, 0.2510, 0.4015
Android (android.graphics.Color)	4282122183 (0xFF3BFFC7)
YUV	190.0120, 4.4311, -114.8975
Hunter-Lab	87.5062, -55.4830, 16.3395

Details

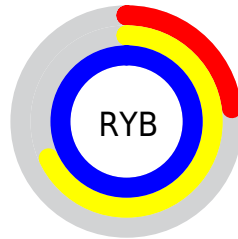
The XYZ color **47.8724, 76.5733, 66.2898** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.8993, 25.6268, 18.7489**, and the grayscale version is **48.9676, 51.5177, 56.1028**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **25.0771, 41.9768, 33.5687** is the 20% darker color. If you saturate the color by 10%, you get **45.8866, 75.6450, 61.8870**, and if you desaturate by 10%, it is **50.6374, 77.8986, 70.9431**.

Distribution



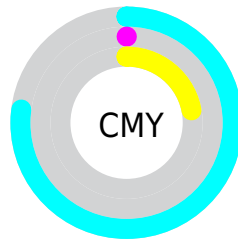
- Red (23%)
- Green (100%)
- Blue (78%)



- Red (23%)
- Yellow (68%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8724, 76.5733, 66.2898 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 47.8724, 76.5733, 66.2898 by changing the saturation by 10% instead.


 47.8724, 76.5733,
66.2898


 47.8724, 76.5733,
66.2898


368.8771,
483.3080, 465.8451


 33.9367, 56.9027,
48.0497


 86.2252, 128.5370,
115.5331

 23.0076, 40.9272,
33.5060


 111.3731,
161.5989, 147.3735

 14.7199, 28.2622,
22.2401


 140.9890,
199.8933, 184.5843

 8.7080, 18.5234,
13.8334

 175.4383,
243.8048, 227.5842

 4.6068, 11.3264,
7.8675

215.0864,
293.7175, 276.7917

 2.0508, 6.2868,
3.9237


260.2987,


 0.6623, 3.0203,


350.0161, 332.6253


1.5836


311.4405,
413.0847, 395.5036


 0.0000, 1.1423,
0.2791

 0.0000, 0.0138,
0.0000


 47.8724, 76.5733,
66.2898


 47.8724, 76.5733,
66.2898


 45.8866, 75.6450,
61.8870


 50.6374, 77.8986,
70.9431

 44.5572, 75.0505,
57.7222

 54.2747, 79.6688,
75.8503

 44.2182, 74.9033,
56.4604

 58.8661, 81.9261,
81.0192

 64.4834, 84.7075,
86.4560

■ 71.1912, 88.0460,
92.1665

■ 79.0487, 91.9723,
98.1560

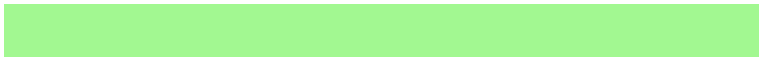
■ 88.1108, 96.5145,
104.4297

■ 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.



53.3854, 76.5733, 38.5643



47.8724, 76.5733, 66.2898



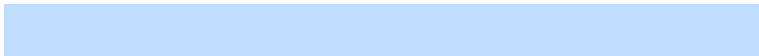
48.3267, 76.5733, 110.7235

Triad

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



47.8724, 76.5733, 66.2898



81.7905, 76.5733, 191.3073



94.4232, 76.5733, 35.8296

Complementary

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



47.8724, 76.5733, 66.2898



45.8993, 25.6268, 18.7489

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.



104.3427, 76.5733, 60.9476



47.8724, 76.5733, 66.2898



96.3824, 76.5733, 153.8818

Square

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



47.8724, 76.5733, 66.2898



66.5408, 76.5733, 194.3060



105.1059, 76.5733, 103.1699



79.3988, 76.5733, 25.5490

Rectangle

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



47.8724, 76.5733, 66.2898



51.9469, 76.5733, 144.8974



105.1059, 76.5733, 103.1699



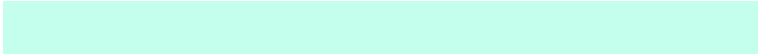
98.5507, 76.5733, 42.3233

Sweetspot

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



47.8732, 76.5737, 66.2912



74.0844, 89.4901, 94.4447



43.9945, 75.6738, 16.4266



15.2763, 18.8647, 19.7583



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.



47.8732, 76.5737, 66.2912



45.1307, 75.3025, 59.7168



44.3592, 57.1603, 103.3028



18.3206, 20.3878, 21.9911



23.1726, 39.1656, 29.8577



2.3034, 3.8323, 3.1553

Inverse Universe

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



45.8993, 25.6268, 18.7489



43.2352, 22.4697, 11.1673



46.4167, 30.3500, 7.5505



18.2227, 18.0724, 19.7901



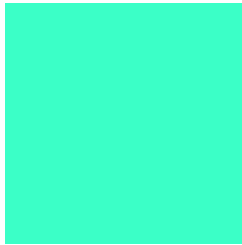
22.2299, 11.3812, 4.5949



2.2091, 1.1260, 0.6824

Previews

White Background



This preview shows how the XYZ color 47.8724, 76.5733, 66.2898 looks on a white background.

Color Contrast Check

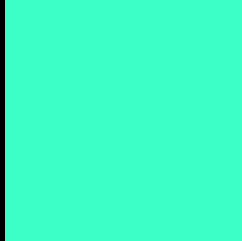
Large Text (above 18pt) WCAG AA × Fail

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 47.8724, 76.5733, 66.2898 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 47.8724, 76.5733, 66.2898

Background



This preview shows how black text looks on a background with the XYZ color 47.8724, 76.5733, 66.2898.



This preview shows how white text looks on a background with the XYZ color 47.8724, 76.5733,

Color Blindness Simulation

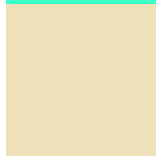
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



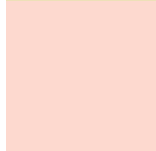
Original Color

47.8724, 76.5733, 66.2898



Protanopia

70.5673, 74.9491, 56.0947



Deuteranopia

76.5834, 75.0133, 69.4741



Tritanopia

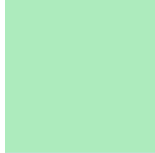
61.2427, 75.7432, 105.9998

Trichromacy



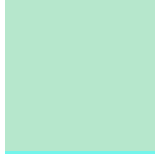
Original Color

47.8724, 76.5733, 66.2898



Protanomaly

56.1272, 71.9750, 59.0785



Deuteranomaly

58.7664, 71.4565, 67.8219



Tritanomaly

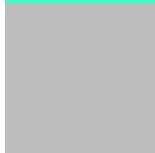
54.7180, 74.9478, 90.1797

Monochromacy



Original Color

47.8724, 76.5733, 66.2898



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.8275, 57.6942, 59.2255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8724, 76.5733, 66.2898 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(59, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 47.8724, 76.5733, 66.2898 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(59, 255, 199) }
```


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

```
.border{ border-color:rgb(59, 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(59, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8724, 76.5733, 66.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 199) }
```

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

```
.background{ background-color: rgb(59, 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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