

Converting Colors

XYZ(47.1416, 76.2304, 64.7293)

Have a look what the booklet for
XYZ(47.1416, 76.2304, 64.7293)
contains.

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Color

**XYZ(47.0890, 76.2093,
64.4526)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFC4
RGB	51, 255, 196
RGB Percent	20%, 100%, 77%
CMY	0.8000, 0.0000, 0.2314
CMYK	0.80, 0.00, 0.23, 0.00
HSL	163°, 100%, 60%
HSV	163°, 80%, 100%
XYZ	47.0890, 76.2093, 64.4526
YIQ	187.2780, -102.6450, -61.5970

Conversions

Conversions Part 2

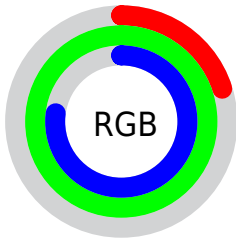
Format	Color
RYB	51, 170, 255
Decimal	3407812
CIELab	89.96, -61.07, 14.76
CIELCh	90, 62.829, 166.417
Yxy	76.2093, 0.2508, 0.4059
Android (android.graphics.Color)	4281597892 (0xFF33FFC4)
YUV	187.2780, 4.2999, -119.5158
Hunter-Lab	87.2979, -56.4875, 17.3344

Details

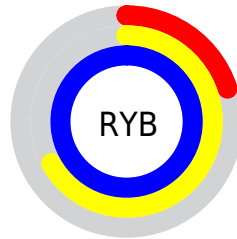
The XYZ color **47.0890, 76.2093, 64.4526** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.2391, 24.7544, 17.1476**, and the grayscale version is **47.4102, 49.8792, 54.3185**.

A 20% lighter version of the original color is **62.8497, 83.4371, 105.7210**, and **24.8487, 41.8855, 32.3662** is the 20% darker color. If you saturate the color by 10%, you get **45.3185, 75.3912, 60.0956**, and if you desaturate by 10%, it is **49.6056, 77.4073, 69.0625**.

Distribution



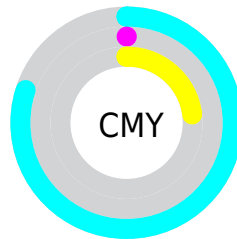
- Red (20%)
- Green (100%)
- Blue (77%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0890, 76.2093, 64.4526 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 47.0890, 76.2093, 64.4526 by changing the saturation by 10% instead.

 47.0890, 76.2093,
64.4526


 47.0890, 76.2093,
64.4526


365.8126,
482.0639, 459.0745


 33.3143, 56.6041,
46.5688


 85.0644, 128.0227,
112.8682

 22.5277, 40.6875,
32.3430


 109.9958,
160.9998, 144.2372

 14.3639, 28.0750,
21.3567


 139.3767,
199.2029, 180.9382

 8.4576, 18.3822,
13.1912

 173.5726,
243.0166, 223.3900

 4.4434, 11.2247,
7.4281

212.9488,
292.8251, 272.0109

 1.9559, 6.2182,
3.6487

257.8706,

 0.6090, 2.9782,

349.0129, 327.2196

1.4347

308.7034,
411.9643, 389.4346

■ 0.0000, 1.1204,
0.1686

■ 0.0000, 0.0000,
0.0000

■ 47.0890, 76.2093,
64.4526

■ 47.0890, 76.2093,
64.4526

■ 45.3185, 75.3912,
60.0956

■ 49.6056, 77.4073,
69.0625

■ 44.1265, 74.8666,
55.9768

■ 52.9674, 79.0361,
73.9292

■ 44.1261, 74.8664,
55.9754

■ 57.2600, 81.1399,
79.0608

■ 62.5579, 83.7569,
84.4636

■ 68.9277, 86.9215,
90.1438

■ 76.4301, 90.6650,
96.1067

■ 85.1214, 95.0161,
102.3579

■ 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.



52.8662, 76.2093, 36.8443



47.0890, 76.2093, 64.4526



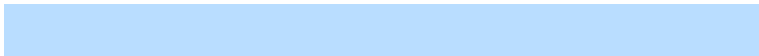
47.3768, 76.2093, 109.6045

Triad

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



47.0890, 76.2093, 64.4526



81.2164, 76.2093, 195.1753



95.0602, 76.2093, 35.1287

Complementary

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



47.0890, 76.2093, 64.4526



45.2391, 24.7544, 17.1476

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.



105.0605, 76.2093, 61.0575



47.0890, 76.2093, 64.4526



96.3190, 76.2093, 157.1024

Square

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



47.0890, 76.2093, 64.4526



65.6384, 76.2093, 197.1203



105.5517, 76.2093, 104.7534



79.6846, 76.2093, 24.4792

Rectangle

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



47.0890, 76.2093, 64.4526



50.9432, 76.2093, 144.8887



105.5517, 76.2093, 104.7534



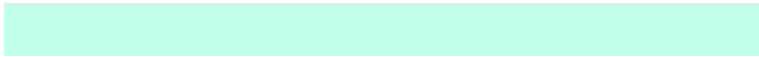
99.2524, 76.2093, 41.8239

Sweetspot

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



47.0898, 76.2097, 64.4539



73.2868, 89.0949, 93.6851



43.0661, 75.2174, 15.3816



15.1213, 18.7881, 19.5994



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.



47.0898, 76.2097, 64.4539



44.5603, 75.0549, 57.5956



43.5134, 56.1194, 103.1465



18.3177, 20.3866, 21.9762



23.1248, 39.1465, 29.6063



2.2990, 3.8305, 3.1325

Inverse Universe

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



45.2391, 24.7544, 17.1476



42.8359, 22.0755, 9.7880



45.6482, 29.1201, 6.3478



18.2254, 18.0735, 19.8041



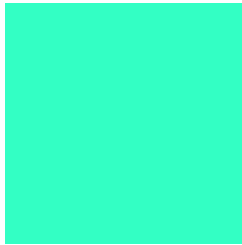
22.2459, 11.3877, 4.6794



2.2109, 1.1267, 0.6922

Previews

White Background



This preview shows how the XYZ color 47.0890, 76.2093, 64.4526 looks on a white background.

Color Contrast Check

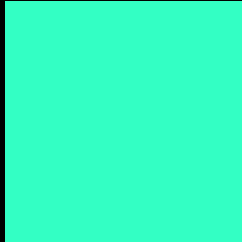
Large Text (above 18pt) WCAG AA × Fail

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 47.0890, 76.2093, 64.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

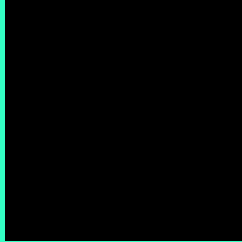
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0890, 76.2093, 64.4526

Background



This preview shows how black text looks on a background with the XYZ color 47.0890, 76.2093, 64.4526.

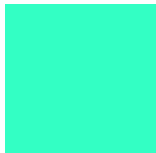


This preview shows how white text looks on a background with the XYZ color 47.0890, 76.2093,

Color Blindness Simulation

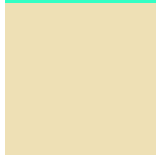
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



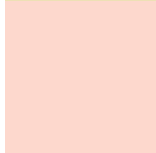
Original Color

47.0890, 76.2093, 64.4526



Protanopia

70.2560, 74.8246, 54.4558



Deuteranopia

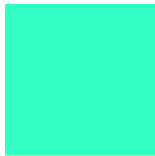
76.0833, 74.4022, 68.1086



Tritanopia

60.7117, 75.4695, 105.9750

Trichromacy



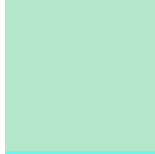
Original Color

47.0890, 76.2093, 64.4526



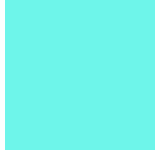
Protanomaly

55.1488, 71.5079, 57.3501



Deuteranomaly

57.7799, 70.5612, 66.4515



Tritanomaly

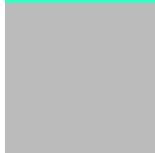
53.9341, 74.5603, 89.3909

Monochromacy



Original Color

47.0890, 76.2093, 64.4526



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.3190, 56.2079, 57.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0890, 76.2093, 64.4526 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.0890, 76.2093, 64.4526 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, 196) }
```


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

```
.border{ border-color:rgb(51, 255, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0890, 76.2093, 64.4526 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, 196) }
```

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

```
.background{ background-color: rgb(51, 255,  
196) }
```

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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