

Converting Colors

XYZ(47.6022, 76.6061, 58.5020)

Have a look what the booklet for
XYZ(47.6022, 76.6061, 58.5020)
contains.

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Color

**XYZ(47.6835, 76.6430,
58.7348)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFBA
RGB	77, 255, 186
RGB Percent	30%, 100%, 73%
CMY	0.6980, 0.0000, 0.2706
CMYK	0.70, 0.00, 0.27, 0.00
HSL	157°, 100%, 65%
HSV	157°, 70%, 100%
XYZ	47.6835, 76.6430, 58.7348
YIQ	193.9120, -83.9390, -59.1950

Conversions

Conversions Part 2

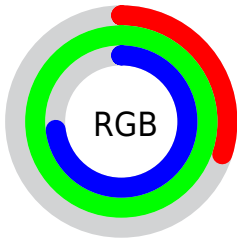
Format	Color
RYB	77, 187, 255
Decimal	5111738
CIELab	90.16, -60.28, 20.22
CIELCh	90, 63.580, 161.455
Yxy	76.6430, 0.2605, 0.4187
Android (android.graphics.Color)	4283301818 (0xFF4DFFBA)
YUV	193.9120, -3.9006, -102.5318
Hunter-Lab	87.5460, -55.9822, 21.5044

Details

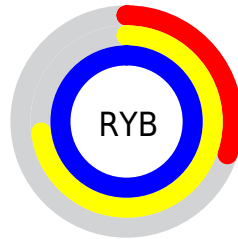
The XYZ color **47.6835, 76.6430, 58.7348** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **49.0828, 28.6439, 30.1371**, and the grayscale version is **51.2845, 53.9553, 58.7573**.

A 20% lighter version of the original color is **63.6411, 84.0418, 96.8719**, and **24.1999, 41.6260, 28.9495** is the 20% darker color. If you saturate the color by 10%, you get **44.9989, 75.3762, 53.3127**, and if you desaturate by 10%, it is **51.2479, 78.3548, 64.5802**.

Distribution



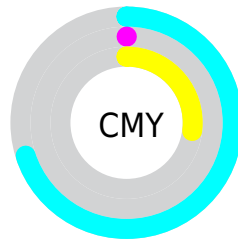
- Red (30%)
- Green (100%)
- Blue (73%)



- Red (30%)
- Yellow (73%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6835, 76.6430, 58.7348 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 47.6835, 76.6430, 58.7348 by changing the saturation by 10% instead.


 47.6835, 76.6430,
58.7348


 47.6835, 76.6430,
58.7348


368.1397,
483.5460, 437.5929

 33.7865, 56.9599,
41.9811


 85.9455, 128.6354,
104.5175


 22.8918, 40.9731,
28.7610


 111.0413,
161.7135, 134.3835

 14.6339, 28.2980,
18.6561


 140.6007,
200.0255, 169.4573

 8.6475, 18.5504,
11.2477

 174.9891,
243.9556, 210.1575

 4.5672, 11.3459,
6.1175

214.5718,
293.8883, 256.9026

 2.0278, 6.3000,
2.8467

259.7143,

 0.6495, 3.0283,

350.2080, 310.1112

1.0169

310.7818,
413.2991, 370.2018

0.0000, 1.1465,
0.0000

0.0000, 0.0174,
0.0000

47.6835, 76.6430,
58.7348

47.6835, 76.6430,
58.7348

44.9989, 75.3762,
53.3127

51.2479, 78.3548,
64.5802

43.0905, 74.5014,
48.2976

55.7757, 80.5547,
70.8563

41.7966, 73.9354,
43.6753

61.3427, 83.2817,
77.5752

41.7737, 73.9255,
43.5875

68.0162, 86.5702,
84.7469

■ 75.8576, 90.4517,
92.3813

■ 84.9237, 94.9554,
100.4876

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.



54.5361, 76.6430, 33.7685



47.6835, 76.6430, 58.7348



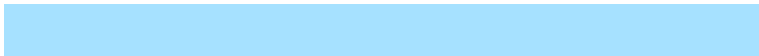
46.9545, 76.6430, 101.9414

Triad

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



47.6835, 76.6430, 58.7348



79.0454, 76.6430, 200.9971



98.0580, 76.6430, 38.1023

Complementary

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



47.6835, 76.6430, 58.7348



49.0828, 28.6439, 30.1371

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.



106.8452, 76.6430, 67.3440



47.6835, 76.6430, 58.7348



94.8562, 76.6430, 167.0727

Square

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



47.6835, 76.6430, 58.7348



63.6094, 76.6430, 196.0369



105.5954, 76.6430, 114.2795



82.9380, 76.6430, 25.1736

Rectangle

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



47.6835, 76.6430, 58.7348



49.8921, 76.6430, 137.5561



105.5954, 76.6430, 114.2795



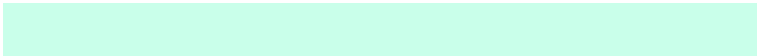
101.9425, 76.6430, 45.7989

Sweetspot

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



47.6842, 76.6433, 58.7361



74.8546, 89.9544, 91.4420



49.3492, 78.3707, 19.5482



15.5414, 19.0158, 19.1144



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.



47.6842, 76.6433, 58.7361



44.1098, 74.9646, 51.1584



51.4533, 69.4825, 105.3073



18.2390, 20.3551, 21.5617



21.9030, 38.6578, 23.1721



2.1862, 3.7854, 2.5382

Inverse Universe

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



49.0828, 28.6439, 30.1371



45.6535, 24.2831, 21.2941



46.6544, 29.9452, 10.3432



18.3008, 18.1036, 20.2014



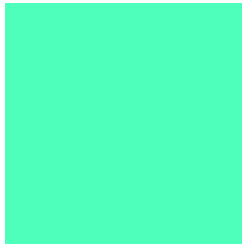
22.7894, 11.6051, 7.5414



2.2705, 1.1506, 1.0059

Previews

White Background



This preview shows how the XYZ color 47.6835, 76.6430, 58.7348 looks on a white background.

Color Contrast Check

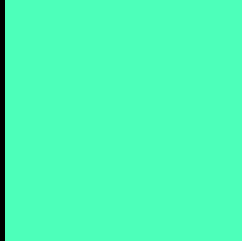
Large Text (above 18pt) WCAG AA × Fail

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 47.6835, 76.6430, 58.7348 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 47.6835, 76.6430, 58.7348

Background



This preview shows how black text looks on a background with the XYZ color 47.6835, 76.6430, 58.7348.

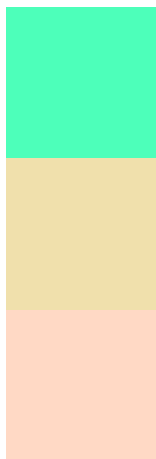


This preview shows how white text looks on a background with the XYZ color 47.6835, 76.6430,

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

47.6835, 76.6430, 58.7348

Protanopia

70.0372, 74.8151, 49.7791

Deuteranopia

76.1309, 74.9169, 63.2712



Tritanopia

61.9726, 76.1195, 106.0340

Trichromacy



Original Color

47.6835, 76.6430, 58.7348



Protanomaly

56.7002, 72.4147, 52.5840



Deuteranomaly

59.4368, 71.9492, 61.2070



Tritanomaly

55.2475, 75.3031, 86.4860

Monochromacy



Original Color

47.6835, 76.6430, 58.7348



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.7223, 59.4526, 58.3032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6835, 76.6430, 58.7348 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(77, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 186)  
}
```

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(77, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 47.6835, 76.6430, 58.7348 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(77, 255, 186) }
```


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

```
.border{ border-color:rgb(77, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6835, 76.6430, 58.7348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 186) }
```

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

```
.background{ background-color: rgb(77, 255,  
186) }
```

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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