

Converting Colors

XYZ(47.6915, 76.5815, 58.2257)

Have a look what the booklet for
XYZ(47.6915, 76.5815, 58.2257)
contains.

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Color

**XYZ(47.7414, 76.6850,
58.1844)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFFB9
RGB	79, 255, 185
RGB Percent	31%, 100%, 73%
CMY	0.6902, 0.0000, 0.2745
CMYK	0.69, 0.00, 0.27, 0.00
HSL	156°, 100%, 65%
HSV	156°, 69%, 100%
XYZ	47.7414, 76.6850, 58.1844
YIQ	194.3960, -82.4260, -59.0820

Conversions

Conversions Part 2

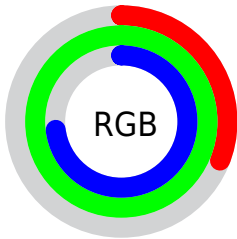
Format	Color
RYB	79, 189, 255
Decimal	5242809
CIELab	90.18, -60.20, 20.77
CIElCh	90, 63.682, 160.969
Yxy	76.6850, 0.2614, 0.4199
Android (android.graphics.Color)	4283432889 (0xFF4FFFB9)
YUV	194.3960, -4.6322, -101.2023
Hunter-Lab	87.5700, -55.9328, 21.9047

Details

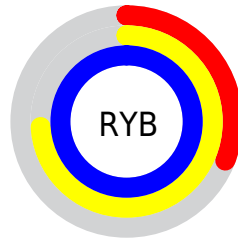
The XYZ color **47.7414, 76.6850, 58.1844** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **49.4615, 29.0228, 31.4302**, and the grayscale version is **51.5750, 54.2609, 59.0901**.

A 20% lighter version of the original color is **63.6698, 84.0739, 96.0912**, and **24.1311, 41.5984, 28.5873** is the 20% darker color. If you saturate the color by 10%, you get **44.9791, 75.3803, 52.6648**, and if you desaturate by 10%, it is **51.3944, 78.4401, 64.1471**.

Distribution



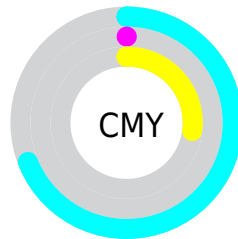
- Red (31%)
- Green (100%)
- Blue (73%)



- Red (31%)
- Yellow (74%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7414, 76.6850, 58.1844 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 47.7414, 76.6850, 58.1844 by changing the saturation by 10% instead.


 47.7414, 76.6850,
58.1844


 47.7414, 76.6850,
58.1844

368.3659,
483.6894, 435.4901


 33.8325, 56.9944,
41.5412


 86.0313, 128.6947,
103.7088


 22.9273, 41.0007,
28.4194


 111.1430,
161.7826, 133.4270

 14.6602, 28.3197,
18.4002


 140.7197,
200.1051, 168.3408

 8.6660, 18.5668,
11.0653

 175.1268,
244.0465, 208.8685

 4.5793, 11.3577,
5.9961

214.7296,
293.9912, 255.4288

 2.0348, 6.3079,
2.7739

259.8935,

 0.6534, 3.0332,

350.3237, 308.4401

0.9804

310.9838,
413.4282, 368.3210

■ 0.0000, 1.1491,
0.0000

■ 0.0000, 0.0195,
0.0000

■ 47.7414, 76.6850,
58.1844

■ 47.7414, 76.6850,
58.1844

■ 44.9791, 75.3803,
52.6648

■ 51.3944, 78.4401,
64.1471

■ 43.0050, 74.4733,
47.5712

■ 56.0208, 80.6879,
70.5607

■ 41.6722, 73.8885,
42.8897

■ 61.6957, 83.4670,
77.4380

■ 41.5578, 73.8391,
42.4507

■ 68.4859, 86.8119,
84.7896

■ 76.4527, 90.7537,
92.6258

■ 85.6527, 95.3216,
100.9563

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.



54.7025, 76.6850, 33.4710



47.7414, 76.6850, 58.1844



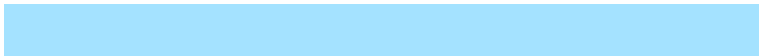
46.9113, 76.6850, 101.1993

Triad

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



47.7414, 76.6850, 58.1844



78.8309, 76.6850, 201.5836



98.3586, 76.6850, 38.4048

Complementary

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



47.7414, 76.6850, 58.1844



49.4615, 29.0228, 31.4302

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.



107.0232, 76.6850, 67.9896



47.7414, 76.6850, 58.1844



94.7110, 76.6850, 168.0864

Square

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



47.7414, 76.6850, 58.1844



63.4089, 76.6850, 195.9312



105.5993, 76.6850, 115.2555



83.2650, 76.6850, 25.2417

Rectangle

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



47.7414, 76.6850, 58.1844



49.7870, 76.6850, 136.8414



105.5993, 76.6850, 115.2555



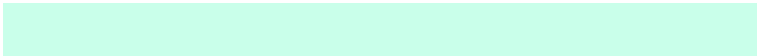
102.2119, 76.6850, 46.2053

Sweetspot

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



47.7421, 76.6854, 58.1857



74.7770, 89.9234, 91.0332



49.6396, 78.5122, 19.9363



15.5229, 19.0084, 19.0170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

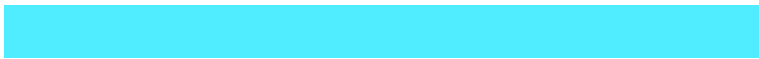
The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.7421, 76.6854, 58.1857



44.1046, 74.9746, 50.5858



51.6752, 69.6831, 105.3344



18.2310, 20.3519, 21.5195



21.7905, 38.6128, 22.5800



2.1756, 3.7812, 2.4825

Inverse Universe

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



49.4615, 29.0228, 31.4302



45.9820, 24.5594, 22.5768



46.8898, 30.3012, 10.7755



18.3086, 18.1068, 20.2424



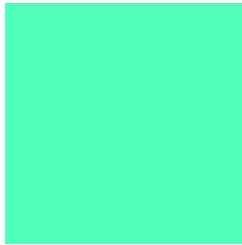
22.8556, 11.6315, 7.8898



2.2775, 1.1534, 1.0425

Previews

White Background



This preview shows how the XYZ color 47.7414, 76.6850, 58.1844 looks on a white background.

Color Contrast Check

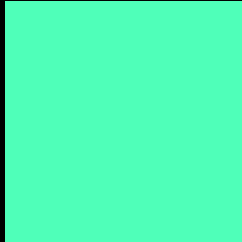
Large Text (above 18pt) WCAG AA × Fail

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 47.7414, 76.6850, 58.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

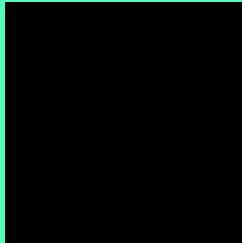
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

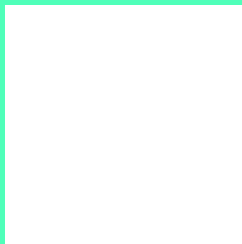
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7414, 76.6850, 58.1844

Background



This preview shows how black text looks on a background with the XYZ color 47.7414, 76.6850, 58.1844.

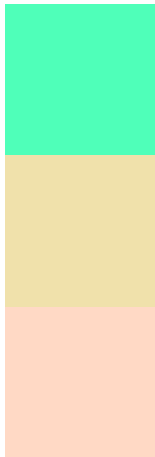


This preview shows how white text looks on a background with the XYZ color 47.7414, 76.6850,

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

47.7414, 76.6850, 58.1844

Protanopia

70.2111, 75.3160, 49.3650

Deuteranopia

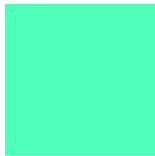
76.1309, 74.9169, 63.2712



Tritanopia

61.9726, 76.1195, 106.0340

Trichromacy



Original Color

47.7414, 76.6850, 58.1844



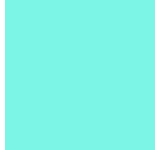
Protanomaly

56.8880, 72.9493, 52.1566



Deuteranomaly

59.6874, 72.0784, 61.2187



Tritanomaly

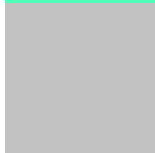
55.3928, 75.3780, 86.4928

Monochromacy



Original Color

47.7414, 76.6850, 58.1844



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.9087, 59.5487, 58.3119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7414, 76.6850, 58.1844 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(79, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 185)  
}
```

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(79, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 185) }
```

Border

The CSS property to change the border of an element to XYZ 47.7414, 76.6850, 58.1844 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(79, 255, 185) }
```


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

```
.border{ border-color:rgb(79, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7414, 76.6850, 58.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 185) }
```

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

```
.background{ background-color: rgb(79, 255,  
185) }
```

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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