

Converting Colors

XYZ(49.4168, 80.9195, 42.0572)

Have a look what the booklet for
XYZ(49.4168, 80.9195, 42.0572)
contains.

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Color

**XYZ(47.3284, 76.8478,
41.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	6BFF96
RGB	107, 255, 150
RGB Percent	42%, 100%, 59%
CMY	0.5804, 0.0000, 0.4118
CMYK	0.58, 0.00, 0.41, 0.00
HSL	137°, 100%, 71%
HSV	137°, 58%, 100%
XYZ	47.3284, 76.8478, 41.1928
YIQ	198.7780, -54.5030, -64.0310

Conversions

Conversions Part 2

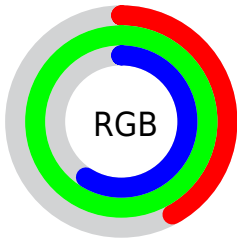
Format	Color
RYB	107, 222, 255
Decimal	7077782
CIELab	90.25, -61.67, 38.54
CIELCh	90, 72.727, 147.997
Yxy	76.8478, 0.2862, 0.4647
Android (android.graphics.Color)	4285267862 (0xFF6BFF96)
YUV	198.7780, -24.0476, -80.4893
Hunter-Lab	87.6629, -57.0395, 33.5036

Details

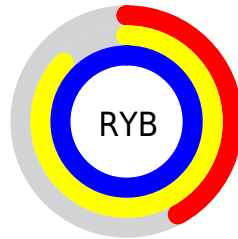
The XYZ color **47.3284, 76.8478, 41.1928** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.3814, 36.5292, 66.2604**, and the grayscale version is **54.3165, 57.1452, 62.2311**.

A 20% lighter version of the original color is **63.1416, 84.3628, 70.7133**, and **22.6776, 41.0756, 18.2884** is the 20% darker color. If you saturate the color by 10%, you get **43.3553, 74.9551, 33.9810**, and if you desaturate by 10%, it is **52.4310, 79.2967, 49.6340**.

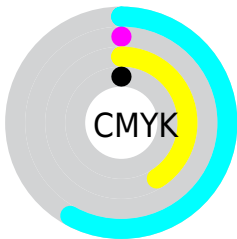
Distribution



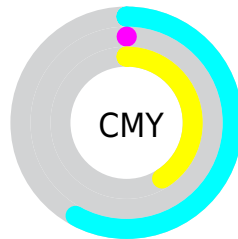
- Red (42%)
- Green (100%)
- Blue (59%)



- Red (42%)
- Yellow (87%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3284, 76.8478, 41.1928 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 47.3284, 76.8478, 41.1928 by changing the saturation by 10% instead.


 47.3284, 76.8478,
41.1928


 47.3284, 76.8478,
41.1928


366.7509,
484.2449, 366.8262

 33.5044, 57.1280,
28.1489


 85.4194, 128.9246,
78.2333

 22.6742, 41.1080,
18.1979


 110.4170,
162.0504, 103.0671

 14.4725, 28.4035,
10.9213

 139.8700,
200.4136, 132.6679

 8.5339, 18.6300,
5.9004

174.1435,
244.3986, 167.4542

 4.4931, 11.4033,
2.7168

213.6030,
294.3899, 207.8447

 1.9847, 6.3388,
0.9519

258.6138,

 0.6253, 3.0521,

350.7718, 254.2578

0.0000

309.5414,
413.9286, 307.1122

0.0000, 1.1590,
0.0000

0.0000, 0.0278,
0.0000

47.3284, 76.8478,
41.1928

47.3284, 76.8478,
41.1928

43.3553, 74.9551,
33.9810

52.4310, 79.2967,
49.6340

40.4181, 73.5716,
27.9367

58.7435, 82.3423,
59.3550

38.4091, 72.6432,
22.9985

66.3402, 86.0218,
70.4076

37.1849, 72.0972,
19.0964

75.2890, 90.3692,
82.8400

■ 36.9991, 72.0156,
18.4450

■ 85.6529, 95.4160,
96.6976

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.



57.8943, 76.8478, 22.9219



47.3284, 76.8478, 41.1928



43.4929, 76.8478, 80.2393

Triad

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



47.3284, 76.8478, 41.1928



71.8321, 76.8478, 228.0101



108.2757, 76.8478, 45.0698

Complementary

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



47.3284, 76.8478, 41.1928



58.3814, 36.5292, 66.2604

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.



113.6282, 76.8478, 87.2058



47.3284, 76.8478, 41.1928



90.6240, 76.8478, 206.1167

Square

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



47.3284, 76.8478, 41.1928



56.1089, 76.8478, 199.8288



106.7022, 76.8478, 148.3791



93.0781, 76.8478, 24.4226

Rectangle

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



47.3284, 76.8478, 41.1928



44.6937, 76.8478, 118.3959



106.7022, 76.8478, 148.3791



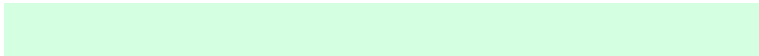
111.3858, 76.8478, 56.5060

Sweetspot

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



47.3289, 76.8480, 41.1941



76.2984, 90.8602, 84.2121



65.8740, 86.7378, 27.1805



15.9160, 19.2460, 17.4597



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.



47.3289, 76.8480, 41.1941



42.7006, 74.6452, 32.7051



55.1340, 79.9700, 82.2951



17.9886, 20.2550, 20.2430



19.3887, 37.6521, 9.9319



1.9328, 3.6841, 1.2042

Inverse Universe

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



58.3814, 36.5292, 66.2604



54.6548, 30.8164, 59.6528



51.1631, 33.6418, 28.2491



18.5545, 18.2051, 21.5370



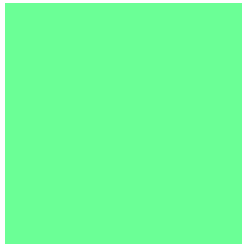
25.9701, 12.8774, 24.2910



2.5762, 1.2728, 2.6155

Previews

White Background



This preview shows how the XYZ color 47.3284, 76.8478, 41.1928 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 47.3284, 76.8478, 41.1928 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 47.3284, 76.8478, 41.1928

Background



This preview shows how black text looks on a background with the XYZ color 47.3284, 76.8478, 41.1928.

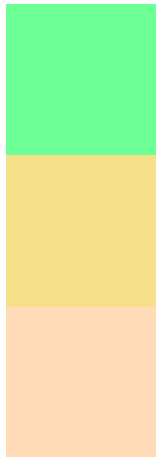


This preview shows how white text looks on a background with the XYZ color 47.3284, 76.8478,

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

47.3284, 76.8478, 41.1928

Protanopia

69.5187, 75.2782, 34.9109

Deuteranopia

75.2232, 75.3837, 55.9332



Tritanopia

63.2146, 76.3239, 106.0080

Trichromacy



Original Color

47.3284, 76.8478, 41.1928



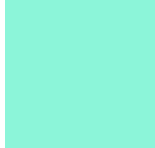
Protanomaly

57.3836, 73.5460, 36.7625



Deuteranomaly

60.3904, 73.1093, 49.9583



Tritanomaly

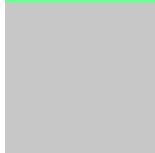
55.9920, 75.8900, 77.3428

Monochromacy



Original Color

47.3284, 76.8478, 41.1928



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.3979, 62.1062, 53.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3284, 76.8478, 41.1928 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(107, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 150)  
}
```

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(107, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.3284, 76.8478, 41.1928 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(107, 255, 150) }
```


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

```
.border{ border-color:rgb(107, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3284, 76.8478, 41.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 150) }
```

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

```
.background{ background-color: rgb(107,  
255, 150) }
```

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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