

Converting Colors

XYZ(47.0507, 75.4400, 33.0126)

Have a look what the booklet for
XYZ(47.0507, 75.4400, 33.0126)
contains.

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Color

**XYZ(47.0850, 75.4909,
32.8584)**

Conversions

Conversions Part 1

Format	Color
Hex	7CFC81
RGB	124, 252, 129
RGB Percent	49%, 99%, 51%
CMY	0.5137, 0.0117, 0.4941
CMYK	0.51, 0.00, 0.49, 0.01
HSL	122°, 96%, 74%
HSV	122°, 51%, 99%
XYZ	47.0850, 75.4909, 32.8584
YIQ	199.7060, -36.8050, -65.3890

Conversions

Conversions Part 2

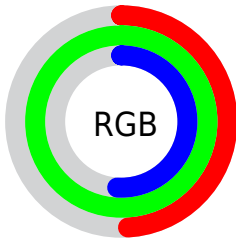
Format	Color
RYB	124, 247, 252
Decimal	8191105
CIELab	89.62, -59.64, 47.96
CIElCh	90, 76.532, 141.198
Yxy	75.4909, 0.3029, 0.4857
Android (android.graphics.Color)	4286381185 (0xFF7CFC81)
YUV	199.7060, -34.8581, -66.3942
Hunter-Lab	86.8855, -55.3169, 38.3975

Details

The XYZ color **47.0850, 75.4909, 32.8584** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64.1432, 41.8273, 92.6902**, and the grayscale version is **54.9442, 57.8056, 62.9503**.

A 20% lighter version of the original color is **64.1789, 85.1710, 58.4045**, and **22.4598, 40.0660, 13.3872** is the 20% darker color. If you saturate the color by 10%, you get **42.4746, 73.2808, 25.2134**, and if you desaturate by 10%, it is **53.0110, 78.3395, 42.5589**.

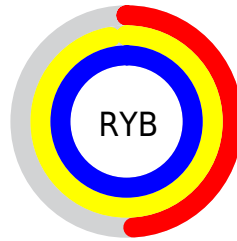
Distribution



Red (49%)

Green (99%)

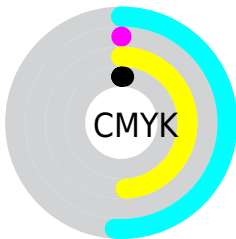
Blue (51%)



Red (49%)

Yellow (97%)

Blue (99%)

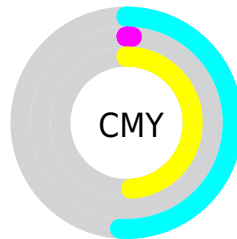


Cyan (51%)

Magenta (0%)

Yellow (49%)

Black (1%)



Cyan (51%)


Magenta (1%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0850, 75.4909, 32.8584 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 47.0850, 75.4909, 32.8584 by changing the saturation by 10% instead.


 47.0850, 75.4909,
32.8584

 47.0850, 75.4909,
32.8584


365.7970,
479.6032, 329.6236


 33.3111, 56.0151,
21.7478


 85.0585, 127.0070,
65.2679

 22.5252, 40.2151,
13.4751


 109.9887,
159.8162, 87.4038

 14.3621, 27.7063,
7.6220


 139.3685,
197.8386, 114.0518

 8.4563, 18.1044,
3.7697

173.5630,
241.4586, 145.6306

 4.4425, 11.0249,
1.4999

212.9378,
291.0607, 182.5586

 1.9554, 6.0836,
0.2178


257.8582,

 0.6087, 2.8960,


347.0292, 225.2544


0.0000


308.6894,
409.7486, 274.1366


 0.0000, 1.0777,
0.0000


 0.0000, 0.0000,
0.0000


 47.0850, 75.4909,
32.8584


 47.0850, 75.4909,
32.8584

 42.4746, 73.2808,
25.2134


 53.0110, 78.3395,
42.5589


 39.0744, 71.6515,
19.4714


 60.3363, 81.8604,
54.4430

 36.7723, 70.5510,
15.4669


 69.1445, 86.0962,
68.6341

 35.4325, 69.9134,
13.0037

 79.5108, 91.0833,
85.2451

 34.8659, 69.6454,
11.8881

 91.5054, 96.8556,
104.3815

 94.1019, 98.1039,
108.5840

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.4466, 75.4909, 18.4904



47.0850, 75.4909, 32.8584



41.6042, 75.4909, 67.3375

Triad

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



47.0850, 75.4909, 32.8584



66.3562, 75.4909, 233.0288



111.0523, 75.4909, 50.1299

Complementary

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



47.0850, 75.4909, 32.8584



64.1432, 41.8273, 92.6902

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.



113.7804, 75.4909, 99.0955



47.0850, 75.4909, 32.8584



85.6478, 75.4909, 221.6184

Square

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



47.0850, 75.4909, 32.8584



51.3819, 75.4909, 192.2978



103.8074, 75.4909, 165.7376



96.8988, 75.4909, 24.9977

Rectangle

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



47.0850, 75.4909, 32.8584



41.7872, 75.4909, 104.0100



103.8074, 75.4909, 165.7376



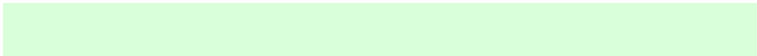
113.4233, 75.4909, 63.6688

Sweetspot

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



47.0869, 75.4941, 32.8601



76.9880, 91.3082, 80.0644



77.0686, 90.9877, 32.5694



15.9999, 19.3134, 16.3699



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.



47.0869, 75.4941, 32.8601



43.5320, 75.2289, 25.7339



52.6685, 77.7267, 62.2527



17.0449, 19.3202, 18.4369



18.1735, 36.2824, 6.2571



1.6925, 3.3641, 0.6288

Inverse Universe

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



64.1432, 41.8273, 92.6902



62.8311, 37.1038, 93.4080



55.9784, 38.5614, 49.6951



17.9620, 17.5122, 21.6557



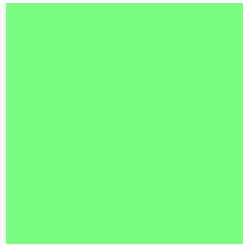
29.2858, 14.1301, 45.0751



2.7213, 1.3122, 4.2215

Previews

White Background



This preview shows how the XYZ color 47.0850, 75.4909, 32.8584 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 47.0850, 75.4909, 32.8584 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 47.0850, 75.4909, 32.8584

Background



This preview shows how black text looks on a background with the XYZ color 47.0850, 75.4909, 32.8584.



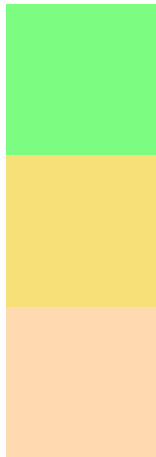
This preview shows how white text looks on a background with the XYZ color 47.0850, 75.4909,

32.8584.

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

47.0850, 75.4909, 32.8584

Protanopia

67.9915, 74.2360, 28.1982

Deuteranopia

73.7907, 73.9809, 50.9480



Tritanopia

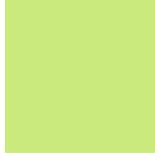
62.4347, 75.0575, 105.8046

Trichromacy



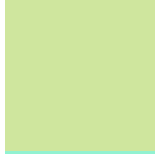
Original Color

47.0850, 75.4909, 32.8584



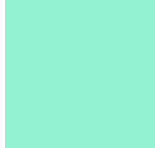
Protanomaly

57.3551, 72.8323, 29.7740



Deuteranomaly

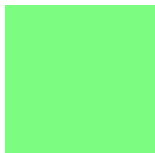
60.2005, 72.3276, 43.1355



Tritanomaly

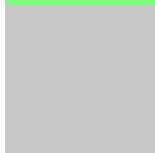
55.1148, 74.2187, 71.7424

Monochromacy



Original Color

47.0850, 75.4909, 32.8584



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

49.9848, 62.4897, 49.4716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0850, 75.4909, 32.8584 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(124, 252, 129)` looks like.

```
.text, #text, p{  
    color:rgb(124, 252, 129)  
}
```

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(124, 252, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 252, 129) }
```

Border

The CSS property to change the border of an element to XYZ 47.0850, 75.4909, 32.8584 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(124, 252, 129) }
```


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

```
.border{ border-color:rgb(124, 252, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 252, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 252, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 252, 129);  
box-shadow:4px 4px 4px 4px rgb(124, 252,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0850, 75.4909, 32.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 252, 129) }
```

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

```
.background{ background-color: rgb(124,  
252, 129) }
```

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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