

Converting Colors

XYZ(46.9755, 75.1267, 38.0693)

Have a look what the booklet for
XYZ(46.9755, 75.1267, 38.0693)
contains.

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Color

**XYZ(47.1044, 75.3859,
38.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	75FC8F
RGB	117, 252, 143
RGB Percent	46%, 99%, 56%
CMY	0.5412, 0.0117, 0.4392
CMYK	0.54, 0.00, 0.43, 0.01
HSL	132°, 96%, 72%
HSV	132°, 54%, 99%
XYZ	47.1044, 75.3859, 38.0549
YIQ	199.2090, -45.4710, -62.5190

Conversions

Conversions Part 2

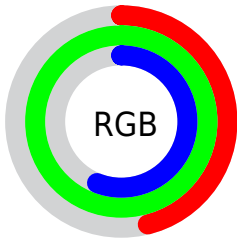
Format	Color
RYB	117, 230, 252
Decimal	7732367
CIELab	89.57, -59.38, 41.14
CIELCh	90, 72.239, 145.281
Yxy	75.3859, 0.2934, 0.4696
Android (android.graphics.Color)	4285922447 (0xFF75FC8F)
YUV	199.2090, -27.7110, -72.0973
Hunter-Lab	86.8251, -55.1039, 34.7911

Details

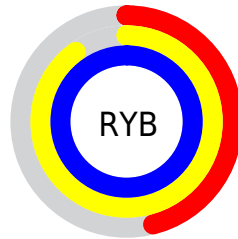
The XYZ color **47.1044, 75.3859, 38.0549** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.2358, 38.9103, 76.2890**, and the grayscale version is **54.5999, 57.4434, 62.5559**.

A 20% lighter version of the original color is **64.0845, 84.9443, 66.4444**, and **22.4955, 40.0170, 16.4360** is the 20% darker color. If you saturate the color by 10%, you get **42.7593, 73.3103, 30.5229**, and if you desaturate by 10%, it is **52.6441, 78.0493, 47.1053**.

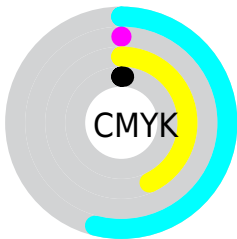
Distribution



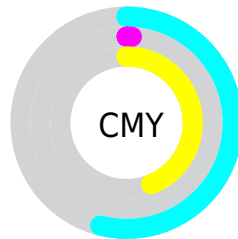
- Red (46%)
- Green (99%)
- Blue (56%)



- Red (46%)
- Yellow (90%)
- Blue (99%)



- Cyan (54%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)





- Cyan (54%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1044, 75.3859, 38.0549 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 47.1044, 75.3859, 38.0549 by changing the saturation by 10% instead.


 47.1044, 75.3859,
38.0549


 47.1044, 75.3859,
38.0549


365.8731,
479.2429, 353.1607


 33.3265, 55.9291,
25.7231


 85.0872, 126.8585,
73.3966

 22.5371, 40.1461,
16.3927


 110.0229,
159.6430, 97.2437

 14.3709, 27.6525,
9.6451

 139.4084,
197.6389, 125.7663

 8.4625, 18.0638,
5.0618

173.6093,
241.2306, 159.3829

 4.4466, 10.9958,
2.2242

212.9909,
290.8025, 198.5121

 1.9577, 6.0640,
0.6883

257.9184,

 0.6101, 2.8841,

346.7389, 243.5724

0.0000

308.7574,
409.4242, 294.9824

■ 0.0000, 1.0715,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1044, 75.3859,
38.0549

■ 47.1044, 75.3859,
38.0549

■ 42.7593, 73.3103,
30.5229

■ 52.6441, 78.0493,
47.1053

■ 39.5130, 71.7685,
24.4212


■ 59.4532, 81.3311,
57.7458


■ 37.2639, 70.7121,
19.6600


■ 67.6073, 85.2708,
70.0497

■ 35.8880, 70.0793,
16.1375

■ 77.1739, 89.9018,
84.0841

 35.3565, 69.8416,
14.4721

 88.2165, 95.2556,
99.9125

 94.1019, 98.1038,
108.5840

Harmonies

Analogous

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



58.0447, 75.3859, 21.6327



47.1044, 75.3859, 38.0549



42.7406, 75.3859, 74.3023

Triad

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



47.1044, 75.3859, 38.0549



68.8813, 75.3859, 223.0810



107.1486, 75.3859, 47.0207

Complementary

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



47.1044, 75.3859, 38.0549



60.2358, 38.9103, 76.2890

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.



111.3244, 75.3859, 90.3875



47.1044, 75.3859, 38.0549



87.2353, 75.3859, 205.9554

Square

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



47.1044, 75.3859, 38.0549



53.9211, 75.3859, 191.4638



103.5194, 75.3859, 151.2729



92.8975, 75.3859, 25.1087

Rectangle

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



47.1044, 75.3859, 38.0549



43.5182, 75.3859, 110.6272



103.5194, 75.3859, 151.2729



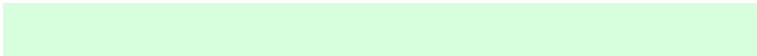
109.8675, 75.3859, 58.9258

Sweetspot

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



47.1063, 75.3890, 38.0566



76.7426, 91.1233, 82.6919



69.7816, 87.2804, 29.9988



15.9829, 19.2895, 17.0517



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.



47.1063, 75.3890, 38.0566



43.7434, 75.2209, 31.0290



53.6882, 78.0218, 72.7164



17.1540, 19.3639, 19.0114



18.4568, 36.3957, 7.7491



1.7445, 3.3849, 0.9025

Inverse Universe

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



60.2358, 38.9103, 76.2890



58.4457, 34.2380, 73.7418



52.8315, 35.9485, 37.2984



17.8413, 17.4639, 21.0199



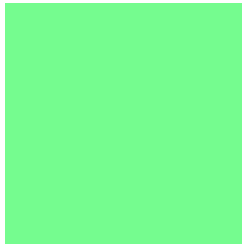
26.6086, 13.0592, 30.9770



2.4999, 1.2237, 3.0560

Previews

White Background



This preview shows how the XYZ color 47.1044, 75.3859, 38.0549 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 47.1044, 75.3859, 38.0549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

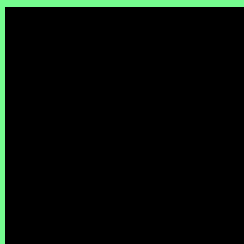
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

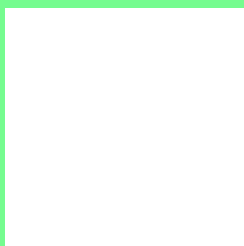
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1044, 75.3859, 38.0549

Background



This preview shows how black text looks on a background with the XYZ color 47.1044, 75.3859, 38.0549.



This preview shows how white text looks on a background with the XYZ color 47.1044, 75.3859, 38.0549.

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

47.1044, 75.3859, 38.0549

Protanopia

68.4767, 74.3897, 32.5793

Deuteranopia

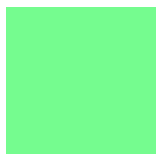
73.9887, 74.0600, 51.9904



Tritanopia

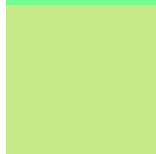
61.6606, 74.6584, 105.7684

Trichromacy



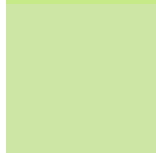
Original Color

47.1044, 75.3859, 38.0549



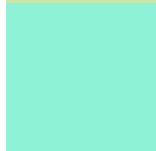
Protanomaly

57.1555, 72.6290, 34.2989



Deuteranomaly

60.2652, 72.2894, 46.3742



Tritanomaly

54.8742, 74.0220, 75.0138

Monochromacy



Original Color

47.1044, 75.3859, 38.0549



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.5703, 61.8325, 51.9701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1044, 75.3859, 38.0549 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(117, 252, 143)` looks like.

```
.text, #text, p{  
    color:rgb(117, 252, 143)  
}
```

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(117, 252, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 252, 143) }
```

Border

The CSS property to change the border of an element to XYZ 47.1044, 75.3859, 38.0549 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(117, 252, 143) }
```


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

```
.border{ border-color:rgb(117, 252, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 252, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 252, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 252, 143);  
box-shadow:4px 4px 4px 4px rgb(117, 252,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1044, 75.3859, 38.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 252, 143) }
```

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

```
.background{ background-color: rgb(117,  
252, 143) }
```

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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