

Converting Colors

XYZ(43.8765, 75.2453, 33.0334)

Have a look what the booklet for
XYZ(43.8765, 75.2453, 33.0334)
contains.

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Color

**XYZ(43.8423, 75.2288,
32.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	59FF81
RGB	89, 255, 129
RGB Percent	35%, 100%, 51%
CMY	0.6510, 0.0000, 0.4941
CMYK	0.65, 0.00, 0.49, 0.00
HSL	134°, 100%, 67%
HSV	134°, 65%, 100%
XYZ	43.8423, 75.2288, 32.9788
YIQ	191.0020, -58.4900, -74.3780

Conversions

Conversions Part 2

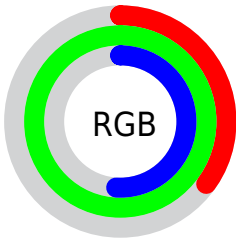
Format	Color
RYB	89, 223, 255
Decimal	5898113
CIELab	89.50, -68.41, 47.58
CIELCh	90, 83.335, 145.181
Yxy	75.2288, 0.2883, 0.4948
Android (android.graphics.Color)	4284088193 (0xFF59FF81)
YUV	191.0020, -30.5670, -89.4558
Hunter-Lab	86.7345, -61.5578, 38.1705

Details

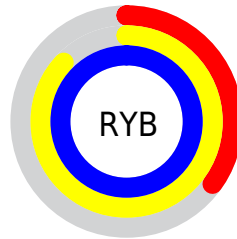
The XYZ color **43.8423, 75.2288, 32.9788** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **57.0782, 33.3114, 67.7105**, and the grayscale version is **49.7186, 52.3078, 56.9632**.

A 20% lighter version of the original color is **57.9293, 81.9493, 58.1120**, and **21.2708, 40.4543, 13.5249** is the 20% darker color. If you saturate the color by 10%, you get **40.6375, 73.7115, 26.7376**, and if you desaturate by 10%, it is **48.1387, 77.2807, 40.5456**.

Distribution



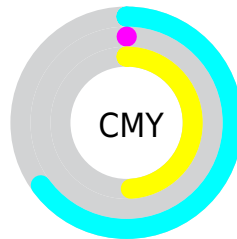
- Red (35%)
- Green (100%)
- Blue (51%)



- Red (35%)
- Yellow (87%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8423, 75.2288, 32.9788 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 43.8423, 75.2288, 32.9788 by changing the saturation by 10% instead.

 43.8423, 75.2288,
32.9788

 43.8423, 75.2288,
32.9788


352.9274,
478.7036, 330.1833


 30.7439, 55.8004,
21.8392


 80.2282, 126.6362,
65.4581


 20.5548, 40.0429,
13.5416


 104.2465,
159.3839, 87.6348

 12.9096, 27.5720,
7.6675

 132.6354,
197.3402, 114.3277

 7.4429, 18.0033,
3.7982

 165.7603,
240.8894, 145.9553

 3.7894, 10.9523,
1.5153

203.9866,
290.4160, 182.9361

 1.5837, 6.0348,
0.2293


247.6797,

 0.3817, 2.8662,


346.3043, 225.6887


0.0000


297.2048,
408.9387, 274.6316


 0.0000, 1.0623,
0.0000


 0.0000, 0.0000,
0.0000


 43.8423, 75.2288,
32.9788


 43.8423, 75.2288,
32.9788

 40.6375, 73.7115,
26.7376


 48.1387, 77.2807,
40.5456


 38.4174, 72.6753,
21.7414


 53.6169, 79.9122,
49.5049


 37.0541, 72.0560,
17.9061

 60.3588, 83.1641,
59.9235

 36.6144, 71.8618,
16.4194

 68.4386, 87.0735,
71.8628

 77.9247, 91.6744,
85.3807

 88.8807, 96.9984,
100.5319

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.



56.0471, 75.2288, 16.4321



43.8423, 75.2288, 32.9788



39.0491, 75.2288, 72.8135

Triad

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



43.8423, 75.2288, 32.9788



68.2511, 75.2288, 253.1028



113.3029, 75.2288, 42.7406

Complementary

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



43.8423, 75.2288, 32.9788



57.0782, 33.3114, 67.7105

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.



118.2624, 75.2288, 91.7372



43.8423, 75.2288, 32.9788



89.5666, 75.2288, 231.8722

Square

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



43.8423, 75.2288, 32.9788



51.3240, 75.2288, 213.4577



108.8737, 75.2288, 164.4751



96.3786, 75.2288, 19.8907

Rectangle

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



43.8423, 75.2288, 32.9788



39.8787, 75.2288, 115.0722



108.8737, 75.2288, 164.4751



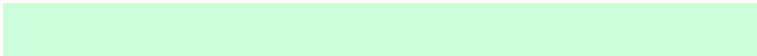
116.5465, 75.2288, 55.8249

Sweetspot

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



43.8427, 75.2290, 32.9800



73.0940, 89.3302, 78.5523



65.9612, 86.8810, 22.7449



15.0859, 18.8492, 16.0129



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.



43.8427, 75.2290, 32.9800



39.8967, 73.3637, 25.1625



51.6046, 78.3338, 73.8534



17.9510, 20.2399, 20.0448



19.1802, 37.5687, 8.8343



1.9082, 3.6742, 1.0742

Inverse Universe

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



57.0782, 33.3114, 67.7105



53.9301, 28.6065, 61.7556



49.0648, 30.1060, 25.5127



18.5945, 18.2211, 21.7479



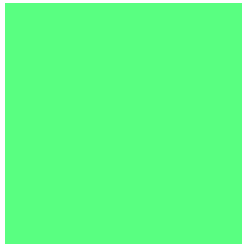
26.6723, 13.1582, 27.9883



2.6397, 1.2982, 2.9499

Previews

White Background



This preview shows how the XYZ color 43.8423, 75.2288, 32.9788 looks on a white background.

Color Contrast Check

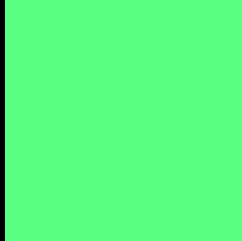
Large Text (above 18pt) WCAG AA × Fail

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 43.8423, 75.2288, 32.9788 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

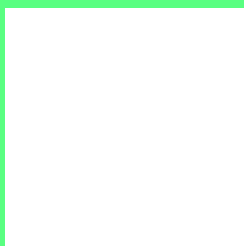
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.8423, 75.2288, 32.9788

Background



This preview shows how black text looks on a background with the XYZ color 43.8423, 75.2288, 32.9788.



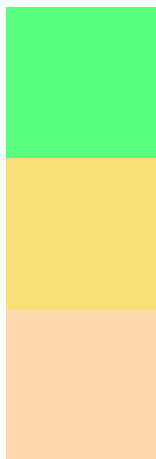
This preview shows how white text looks on a background with the XYZ color 43.8423, 75.2288,

32.9788.

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

43.8423, 75.2288, 32.9788

Protanopia

67.6637, 73.6762, 27.7942

Deuteranopia

73.3387, 73.3889, 49.8353



Tritanopia

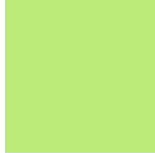
60.4786, 74.4801, 105.7963

Trichromacy



Original Color

43.8423, 75.2288, 32.9788



Protanomaly

54.2074, 71.6406, 29.3833



Deuteranomaly

56.8883, 70.6301, 42.5329



Tritanomaly

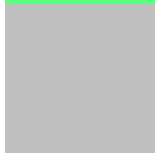
52.3168, 73.6648, 71.7829

Monochromacy



Original Color

43.8423, 75.2288, 32.9788



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

44.4409, 57.7903, 45.8582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8423, 75.2288, 32.9788 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(89, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 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(89, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 43.8423, 75.2288, 32.9788 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(89, 255, 129) }
```


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

```
.border{ border-color:rgb(89, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8423, 75.2288, 32.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 129) }
```

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

```
.background{ background-color: rgb(89, 255,  
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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