

Converting Colors

XYZ(42.7886, 68.1839, 10.9056)

Have a look what the booklet for
XYZ(42.7886, 68.1839, 10.9056)
contains.

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Color

**XYZ(42.8371, 68.3399,
10.9332)**

Conversions

Conversions Part 1

Format	Color
Hex	91F000
RGB	145, 240, 0
RGB Percent	57%, 94%, 0%
CMY	0.4314, 0.0588, 0.9999
CMYK	0.40, 0.00, 1.00, 0.06
HSL	84°, 100%, 47%
HSV	84°, 100%, 94%
XYZ	42.8371, 68.3399, 10.9332
YIQ	184.2350, 20.4200, -94.7800

Conversions

Conversions Part 2

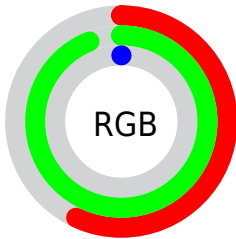
Format	Color
RYB	0, 240, 95
Decimal	9564160
CIELab	86.18, -57.06, 83.21
CIELCh	86, 100.893, 124.442
Yxy	68.3399, 0.3508, 0.5597
Android (android.graphics.Color)	4287754240 (0xFF91F000)
YUV	184.2350, -90.8279, -34.4091
Hunter-Lab	82.6680, -52.1733, 50.0262

Details

The XYZ color **42.8371, 68.3399, 10.9332** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **20.4529, 8.7275, 83.0486**, and the grayscale version is **46.1728, 48.5774, 52.9008**.

A 20% lighter version of the original color is **63.0591, 85.3800, 22.8293**, and **20.5008, 35.7060, 5.8114** is the 20% darker color. If you saturate the color by 10%, you get **42.8360, 68.3415, 10.9335**, and if you desaturate by 10%, it is **44.7488, 69.3085, 11.8855**.

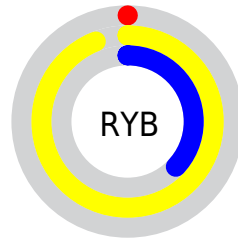
Distribution



Red (57%)

Green (94%)

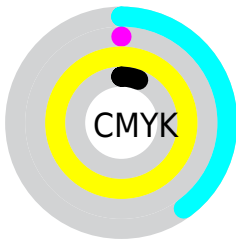
Blue (0%)



Red (0%)

Yellow (94%)

Blue (37%)

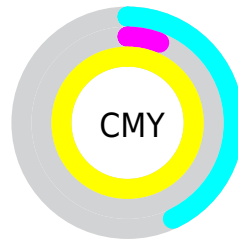


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (43%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8371, 68.3399, 10.9332 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 42.8371, 68.3399, 10.9332 by changing the saturation by 10% instead.


 42.8371, 68.3399,
10.9332

 42.8371, 68.3399,
10.9332


348.8743,
454.6994, 207.9296


 29.9513, 50.1743,
5.9083


 78.7222, 116.8383,
28.1713


 19.9495, 35.5519,
2.7215


 102.4523,
147.9398, 41.2217


 12.4664, 24.0883,
0.9542

 130.5277,
184.1222, 57.7843

 7.1366, 15.3992,
0.0000

 163.3140,
225.7697, 78.2776

 3.5948, 9.1000,
0.0000

 201.1765,
273.2668, 103.1203

 1.4755, 4.8065,
0.0000

 244.4804,

 0.3091, 2.1342,

326.9978, 132.7308

0.0000

293.5912,
387.3472, 167.5278

■ 0.0000, 0.6837,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8371, 68.3399,
10.9332

■ 42.8371, 68.3399,
10.9332

■ 42.8360, 68.3415,
10.9335

■ 44.7488, 69.3085,
11.8855

■ 47.0063, 70.4297,
13.9171

■ 49.6780, 71.7334,
17.3649

■ 52.8048, 73.2365,
22.4284

■ 56.4214, 74.9532,
29.2751

■ 60.5587, 76.8960,
38.0517

■ 65.2443, 79.0765,
48.8894

■ 70.5038, 81.5052,
61.9083

■ 76.3608, 84.1918,
77.2189

Harmonies

Analogous

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



61.5584, 68.3399, 5.8750



42.8371, 68.3399, 10.9332



32.4319, 68.3399, 31.7596

Triad

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



42.8371, 68.3399, 10.9332



47.5366, 68.3399, 259.6063



120.4014, 68.3399, 64.9409

Complementary

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



42.8371, 68.3399, 10.9332



20.4529, 8.7275, 83.0486

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.



114.1248, 68.3399, 144.3180



42.8371, 68.3399, 10.9332



68.4744, 68.3399, 288.5106

Square

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



42.8371, 68.3399, 10.9332



34.6570, 68.3399, 172.6693



93.6155, 68.3399, 237.4875



109.1640, 68.3399, 22.9952

Rectangle

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



42.8371, 68.3399, 10.9332



29.8845, 68.3399, 62.7025



93.6155, 68.3399, 237.4875



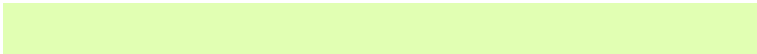
120.2871, 68.3399, 87.4922

Sweetspot

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



42.8387, 68.3429, 10.9347



74.8081, 90.7159, 55.9503



39.7663, 26.1846, 2.9592



15.5090, 19.1834, 10.7884



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.



42.8387, 68.3429, 10.9347



49.0947, 78.3943, 12.5441



31.6415, 62.5705, 10.4107



16.4821, 18.1287, 16.7802



23.6019, 37.4888, 5.9921



2.0751, 3.1763, 0.5037

Inverse Universe

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



20.4529, 8.7275, 83.0486



23.4120, 9.9842, 95.3009



42.8832, 20.2907, 84.0983



15.4894, 15.5340, 19.9036



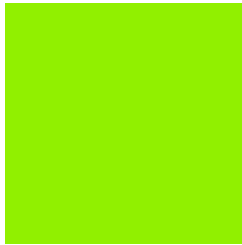
11.3340, 4.8483, 45.4663



1.0518, 0.4595, 3.7875

Previews

White Background



This preview shows how the XYZ color 42.8371, 68.3399, 10.9332 looks on a white background.

Color Contrast Check

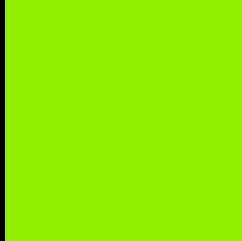
Large Text (above 18pt) WCAG AA × Fail

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 42.8371, 68.3399, 10.9332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

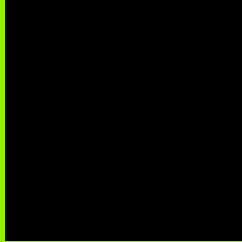
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8371, 68.3399, 10.9332

Background



This preview shows how black text looks on a background with the XYZ color 42.8371, 68.3399, 10.9332.

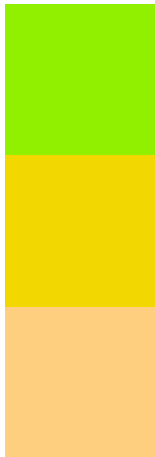


This preview shows how white text looks on a background with the XYZ color 42.8371, 68.3399,

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

42.8371, 68.3399, 10.9332

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

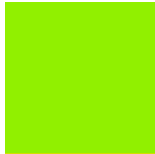
67.4491, 67.4442, 29.8851



Tritanopia

59.2781, 67.8969, 93.2002

Trichromacy



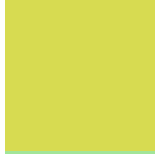
Original Color

42.8371, 68.3399, 10.9332



Protanomaly

52.3878, 66.5767, 10.0895



Deuteranomaly

54.8411, 65.7042, 17.5763



Tritanomaly

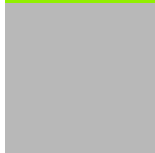
48.6694, 66.0199, 40.3150

Monochromacy



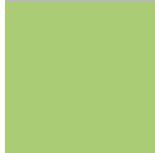
Original Color

42.8371, 68.3399, 10.9332



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.3813, 53.0161, 24.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8371, 68.3399, 10.9332 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(145, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 240, 0)  
}
```

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(145, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 240, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.8371, 68.3399, 10.9332 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(145, 240, 0) }
```


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

```
.border{ border-color:rgb(145, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 240,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8371, 68.3399, 10.9332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 240, 0) }
```

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

```
.background{ background-color: rgb(145,  
240, 0) }
```

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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