

Converting Colors

XYZ(42.7937, 71.5950, 11.5638)

Have a look what the booklet for
XYZ(42.7937, 71.5950, 11.5638)
contains.

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Color

**XYZ(42.6208, 71.3468,
11.5250)**

Conversions

Conversions Part 1

Format	Color
Hex	83F700
RGB	131, 247, 0
RGB Percent	51%, 97%, 0%
CMY	0.4863, 0.0314, 0.9999
CMYK	0.47, 0.00, 1.00, 0.03
HSL	88°, 100%, 48%
HSV	88°, 100%, 97%
XYZ	42.6208, 71.3468, 11.5250
YIQ	184.1580, 10.1510, -101.4090

Conversions

Conversions Part 2

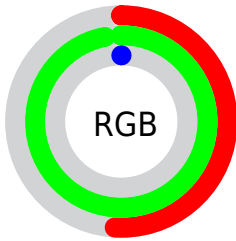
Format	Color
RYB	0, 247, 116
Decimal	8648448
CIELab	87.65, -64.08, 84.11
CIELCh	88, 105.733, 127.302
Yxy	71.3468, 0.3396, 0.5685
Android (android.graphics.Color)	4286838528 (0xFF83F700)
YUV	184.1580, -90.7899, -46.6196
Hunter-Lab	84.4670, -57.7489, 51.0372

Details

The XYZ color **42.6208, 71.3468, 11.5250** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **23.9980, 10.4325, 88.7485**, and the grayscale version is **46.1340, 48.5366, 52.8563**.

A 20% lighter version of the original color is **59.6841, 83.6302, 23.1218**, and **20.5278, 37.9169, 6.2368** is the 20% darker color. If you saturate the color by 10%, you get **42.6195, 71.3484, 11.5253**, and if you desaturate by 10%, it is **44.6938, 72.3978, 12.5235**.

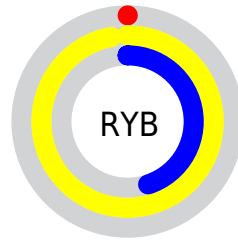
Distribution



Red (51%)

Green (97%)

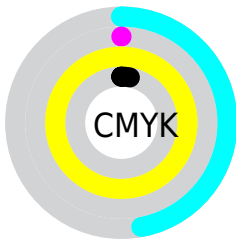
Blue (0%)



Red (0%)

Yellow (97%)

Blue (45%)

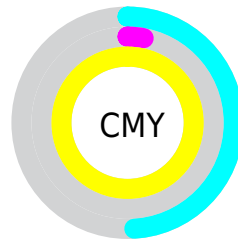


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (49%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6208, 71.3468, 11.5250 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 42.6208, 71.3468, 11.5250 by changing the saturation by 10% instead.


 42.6208, 71.3468,
11.5250


 42.6208, 71.3468,
11.5250


347.9980,
465.2648, 212.0999

 29.7809, 52.6253,
6.3025


 78.3976, 121.1274,
29.2783


 19.8196, 37.5037,
2.9582


 102.0653,
152.9552, 42.6463


 12.3715, 25.5977,
1.0733

 130.0729,
189.9206, 59.5664

 7.0712, 16.5229,
0.0000

 162.7858,
232.4080, 80.4574

 3.5534, 9.8949,
0.0000

 200.5694,
280.8017, 105.7377

 1.4527, 5.3294,
0.0000

 243.7891,

 0.2933, 2.4418,

335.4862, 135.8258

0.0000

292.8102,
396.8457, 171.1404

■ 0.0000, 0.8473,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6208, 71.3468,
11.5250

■ 42.6208, 71.3468,
11.5250

■ 42.6195, 71.3484,
11.5253

■ 44.6938, 72.3978,
12.5235

■ 47.1913, 73.6401,
14.6813

■ 50.1883, 75.1069,
18.3551

■ 53.7315, 76.8175,
23.7597

■ 57.8604, 78.7884,
31.0749

■ 62.6103, 81.0343,
40.4584

■ 68.0131, 83.5686,
52.0512

■ 74.0982, 86.4035,
65.9820

■ 80.8930, 89.5507,
82.3697

Harmonies

Analogous

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



61.8760, 71.3468, 5.4789



42.6208, 71.3468, 11.5250



32.3884, 71.3468, 35.7015

Triad

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



42.6208, 71.3468, 11.5250



50.8801, 71.3468, 286.9510



127.6541, 71.3468, 61.4444

Complementary

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



42.6208, 71.3468, 11.5250



23.9980, 10.4325, 88.7485

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.



122.6320, 71.3468, 143.9608



42.6208, 71.3468, 11.5250



74.1181, 71.3468, 310.4079

Square

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



42.6208, 71.3468, 11.5250



36.2730, 71.3468, 194.7842



101.3740, 71.3468, 247.0783



113.7715, 71.3468, 20.5040

Rectangle

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



42.6208, 71.3468, 11.5250



30.1942, 71.3468, 71.3734



101.3740, 71.3468, 247.0783



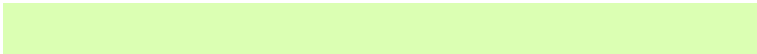
128.1687, 71.3468, 84.3572

Sweetspot

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



42.6224, 71.3499, 11.5266



73.0796, 89.8248, 55.8694



44.5235, 32.1027, 3.8509



15.0986, 18.9718, 10.7692



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.



42.6224, 71.3499, 11.5266



45.7873, 76.6892, 12.3893



33.3660, 66.5780, 11.0934



17.1212, 18.9045, 17.5441



22.7046, 37.8175, 6.1028



2.1142, 3.3849, 0.5419

Inverse Universe

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



23.9980, 10.4325, 88.7485



25.7651, 11.1973, 95.4111



52.3096, 25.0277, 90.0735



16.3213, 16.3083, 20.8302



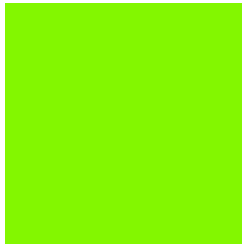
12.8505, 5.5990, 46.9414



1.2470, 0.5527, 4.1312

Previews

White Background



This preview shows how the XYZ color 42.6208, 71.3468, 11.5250 looks on a white background.

Color Contrast Check

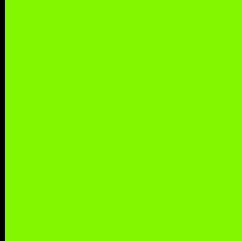
Large Text (above 18pt) WCAG AA × Fail

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 42.6208, 71.3468, 11.5250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

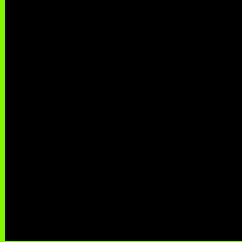
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6208, 71.3468, 11.5250

Background



This preview shows how black text looks on a background with the XYZ color 42.6208, 71.3468, 11.5250.



This preview shows how white text looks on a background with the XYZ color 42.6208, 71.3468,

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

42.6208, 71.3468, 11.5250

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

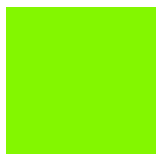
69.6451, 69.8929, 36.6080



Tritanopia

60.1404, 71.0523, 99.3517

Trichromacy



Original Color

42.6208, 71.3468, 11.5250



Protanomaly

52.9212, 68.8760, 10.5052



Deuteranomaly

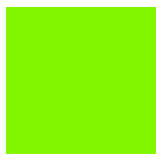
55.1658, 67.7857, 20.3016



Tritanomaly

48.9295, 69.0388, 43.0947

Monochromacy



Original Color

42.6208, 71.3468, 11.5250



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.0408, 53.9093, 25.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6208, 71.3468, 11.5250 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(131, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 247, 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(131, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.6208, 71.3468, 11.5250 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(131, 247, 0) }
```


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

```
.border{ border-color:rgb(131, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(131, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6208, 71.3468, 11.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 247, 0) }
```

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

```
.background{ background-color: rgb(131,  
247, 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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