

Converting Colors

XYZ(38.2620, 72.5927, 21.8474)

Have a look what the booklet for
XYZ(38.2620, 72.5927, 21.8474)
contains.

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Color

**XYZ(38.2755, 72.5987,
21.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	21FF5B
RGB	33, 255, 91
RGB Percent	13%, 100%, 36%
CMY	0.8706, 0.0000, 0.6431
CMYK	0.87, 0.00, 0.64, 0.00
HSL	136°, 100%, 56%
HSV	136°, 87%, 100%
XYZ	38.2755, 72.5987, 21.8931
YIQ	169.9260, -79.6680, -98.0680

Conversions

Conversions Part 2

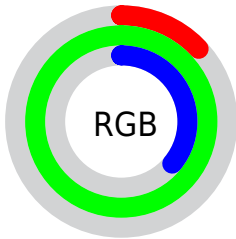
Format	Color
R_YB	33, 209, 255
Decimal	2228059
CIE _{Lab}	88.26, -80.15, 62.58
CIE _{LCh}	88, 101.688, 142.016
Yxy	72.5987, 0.2883, 0.5468
Android (android.graphics.Color)	4280418139 (0xFF21FF5B)
YUV	169.9260, -38.9105, -120.0841
Hunter-Lab	85.2049, -68.9232, 44.4090

Details

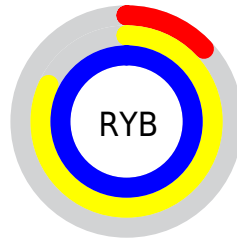
The XYZ color **38.2755, 72.5987, 21.8931** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **51.8615, 26.3789, 55.1795**, and the grayscale version is **38.3881, 40.3873, 43.9817**.

A 20% lighter version of the original color is **49.3386, 77.9117, 40.0418**, and **19.9743, 39.5736, 7.8140** is the 20% darker color. If you saturate the color by 10%, you get **37.0291, 72.0385, 18.1128**, and if you desaturate by 10%, it is **40.3401, 73.5570, 26.7787**.

Distribution



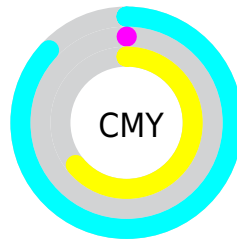
- Red (13%)
- Green (100%)
- Blue (36%)



- Red (13%)
- Yellow (82%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2755, 72.5987, 21.8931 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 38.2755, 72.5987, 21.8931 by changing the saturation by 10% instead.


 38.2755, 72.5987,
21.8931


 38.2755, 72.5987,
21.8931


330.0608,
469.6228, 274.9228


 26.3748, 53.6479,
13.5808


 71.8314, 122.9073,
47.4692


 17.2384, 38.3202,
7.6943


 94.2173, 155.0340,
65.5700

 10.5009, 26.2313,
3.8150


 120.8289,
192.3213, 87.7708

 5.7971, 16.9968,
1.5244

 152.0316,
235.1538, 114.4901

 2.7616, 10.2322,
0.2360

188.1908,
283.9158, 146.1464

 1.0290, 5.5532,
0.0000

229.6718,

 0.0000, 2.5753,

338.9917, 183.1582

0.0000

276.8400,
400.7659, 225.9442

■ 0.0000, 0.9143,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2755, 72.5987,
21.8931

■ 38.2755, 72.5987,
21.8931

■ 37.0291, 72.0385,
18.1128


■ 40.3401, 73.5570,
26.7787

■ 36.7619, 71.9208,
17.1961


■ 43.3575, 74.9814,
32.8451


■ 47.4357, 76.9260,
40.1651

■ 52.6674, 79.4372,
48.8042

 59.1349, 82.5563,
58.8234

 66.9126, 86.3203,
70.2800

 76.0692, 90.7636,
83.2277

 86.6681, 95.9178,
97.7177

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.



52.8904, 72.5987, 8.5006



38.2755, 72.5987, 21.8931



32.2328, 72.5987, 61.8400

Triad

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



38.2755, 72.5987, 21.8931



62.6990, 72.5987, 300.2303



122.1774, 72.5987, 38.6684

Complementary

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



38.2755, 72.5987, 21.8931



51.8615, 26.3789, 55.1795

Split Complementary

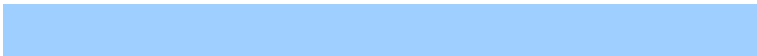
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.5637, 72.5987, 99.1835



38.2755, 72.5987, 21.8931



88.0945, 72.5987, 280.0512

Square

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



38.2755, 72.5987, 21.8931



44.0023, 72.5987, 238.9412



112.9003, 72.5987, 193.6937



102.0332, 72.5987, 13.4489

Rectangle

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



38.2755, 72.5987, 21.8931



32.5786, 72.5987, 110.3954



112.9003, 72.5987, 193.6937



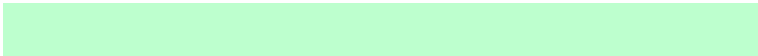
125.7081, 72.5987, 54.2786

Sweetspot

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



38.2758, 72.5988, 21.8943



67.8153, 86.7578, 71.5787



59.7207, 83.8405, 14.4742



13.8951, 18.2693, 14.4242



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.



38.2758, 72.5988, 21.8943



36.7619, 71.9208, 17.1961



46.7543, 75.9902, 66.5413



17.9664, 20.2461, 20.1258



19.2604, 37.6008, 9.2567



1.9178, 3.6781, 1.1252

Inverse Universe

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



51.8615, 26.3789, 55.1795



50.3575, 24.9070, 49.9420



43.5662, 23.0607, 11.4967



18.5781, 18.2145, 21.6614



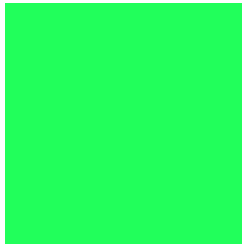
26.3774, 13.0403, 26.4356



2.6131, 1.2876, 2.8100

Previews

White Background



This preview shows how the XYZ color 38.2755, 72.5987, 21.8931 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 38.2755, 72.5987, 21.8931 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 38.2755, 72.5987, 21.8931

Background



This preview shows how black text looks on a background with the XYZ color 38.2755, 72.5987, 21.8931.

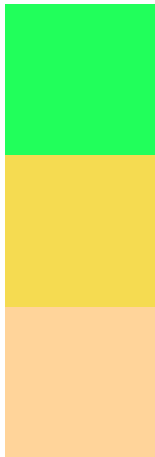


This preview shows how white text looks on a background with the XYZ color 38.2755, 72.5987,

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

38.2755, 72.5987, 21.8931

Protanopia

64.4729, 70.6696, 18.0271

Deuteranopia

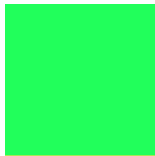
70.6162, 70.6801, 40.4926



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



Original Color

38.2755, 72.5987, 21.8931



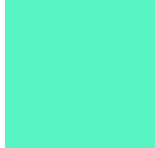
Protanomaly

46.6448, 66.6939, 19.0091



Deuteranomaly

49.2957, 66.1242, 31.6378



Tritanomaly

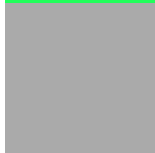
46.3208, 70.7653, 62.8475

Monochromacy



Original Color

38.2755, 72.5987, 21.8931



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.4401, 47.6894, 32.6418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2755, 72.5987, 21.8931 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(33, 255, 91)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 91)  
}
```

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(33, 255, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 91) }
```

Border

The CSS property to change the border of an element to XYZ 38.2755, 72.5987, 21.8931 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(33, 255, 91) }
```


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

```
.border{ border-color:rgb(33, 255, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2755, 72.5987, 21.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 91) }
```

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

```
.background{ background-color: rgb(33, 255,  
91) }
```

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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