

Converting Colors

XYZ(38.0415, 72.4804, 21.7769)

Have a look what the booklet for
XYZ(38.0415, 72.4804, 21.7769)
contains.

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Color

**XYZ(38.0743, 72.4949,
21.8837)**

Conversions

Conversions Part 1

Format	Color
Hex	1AFF5B
RGB	26, 255, 91
RGB Percent	10%, 100%, 36%
CMY	0.8980, 0.0000, 0.6431
CMYK	0.90, 0.00, 0.64, 0.00
HSL	137°, 100%, 55%
HSV	137°, 90%, 100%
XYZ	38.0743, 72.4949, 21.8837
YIQ	167.8330, -83.8400, -99.5520

Conversions

Conversions Part 2

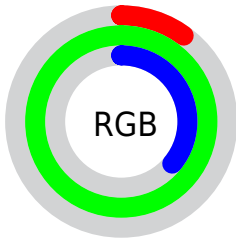
Format	Color
R_{YB}	26, 204, 255
Decimal	1769307
CIE Lab	88.21, -80.58, 62.51
CIE LCh	88, 101.988, 142.197
Yxy	72.4949, 0.2875, 0.5473
Android (android.graphics.Color)	4279959387 (0xFF1AFF5B)
YUV	167.8330, -37.8787, -124.3875
Hunter-Lab	85.1439, -69.1810, 44.3620

Details

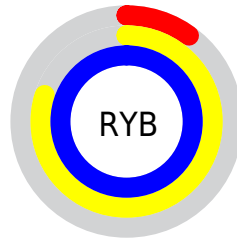
The XYZ color **38.0743, 72.4949, 21.8837** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **50.9036, 25.7166, 50.9952**, and the grayscale version is **37.3475, 39.2925, 42.7895**.

A 20% lighter version of the original color is **49.0525, 77.7642, 40.0284**, and **19.9743, 39.5736, 7.8140** is the 20% darker color. If you saturate the color by 10%, you get **36.9604, 72.0009, 18.2083**, and if you desaturate by 10%, it is **39.9255, 73.3468, 26.5965**.

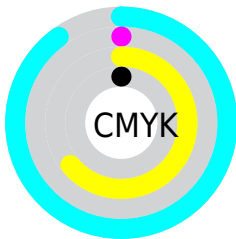
Distribution



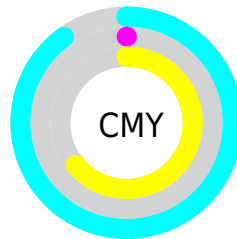
- Red (10%)
- Green (100%)
- Blue (36%)



- Red (10%)
- Yellow (80%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0743, 72.4949, 21.8837 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 38.0743, 72.4949, 21.8837 by changing the saturation by 10% instead.


 38.0743, 72.4949,
21.8837


 38.0743, 72.4949,
21.8837


329.2139,
469.2623, 274.8720

 26.2178, 53.5631,
13.5740


 71.5252, 122.7599,
47.4534


 17.1202, 38.2524,
7.6896


 93.8503, 154.8618,
65.5505

 10.4161, 26.1787,
3.8121


 120.3957,
192.1226, 87.7471

 5.7401, 16.9574,
1.5228

 151.5267,
234.9265, 114.4618

 2.7268, 10.2041,
0.2348

187.6086,
283.6581, 146.1131

 1.0110, 5.5345,
0.0000

229.0069,

 0.0000, 2.5641,

338.7016, 183.1195

0.0000

276.0869,
400.4416, 225.8996

■ 0.0000, 0.9087,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0743, 72.4949,
21.8837

■ 38.0743, 72.4949,
21.8837

■ 36.9604, 72.0009,
18.2083


■ 39.9255, 73.3468,
26.5965


■ 36.9422, 71.9929,
18.1455


■ 42.6862, 74.6441,
32.4177


■ 46.4687, 76.4431,
39.4145

■ 51.3682, 78.7917,
47.6475

 57.4681, 81.7318,
57.1731

 64.8440, 85.3012,
68.0440

 73.5648, 89.5345,
80.3101

 83.6948, 94.4638,
94.0187

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.



52.6498, 72.4949, 8.4283



38.0743, 72.4949, 21.8837



32.0790, 72.4949, 62.0541

Triad

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



38.0743, 72.4949, 21.8837



62.7259, 72.4949, 301.0518



122.1390, 72.4949, 38.2637

Complementary

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



38.0743, 72.4949, 21.8837



50.9036, 25.7166, 50.9952

Split Complementary

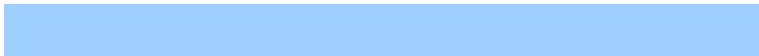
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.6514, 72.4949, 98.6284



38.0743, 72.4949, 21.8837



88.2007, 72.4949, 280.2705

Square

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



38.0743, 72.4949, 21.8837



43.9528, 72.4949, 239.9026



113.0408, 72.4949, 193.3231



101.8640, 72.4949, 13.2395

Rectangle

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



38.0743, 72.4949, 21.8837



32.4558, 72.4949, 110.8757



113.0408, 72.4949, 193.3231



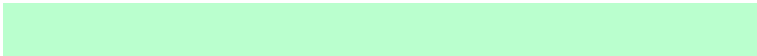
125.7162, 72.4949, 53.8052

Sweetspot

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



38.0746, 72.4951, 21.8849



67.1495, 86.4192, 71.3388



57.2111, 82.5569, 13.8972



13.7745, 18.2072, 14.4134



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.



38.0746, 72.4951, 21.8849



36.9422, 71.9929, 18.1455



47.2520, 76.1660, 70.2121



17.9835, 20.2529, 20.2162



19.3580, 37.6398, 9.7704



1.9293, 3.6826, 1.1855

Inverse Universe

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



50.9036, 25.7166, 50.9952



49.7475, 24.6630, 46.7297



42.9008, 22.5155, 8.8531



18.5599, 18.2073, 21.5654



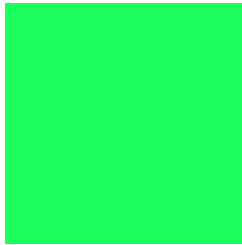
26.0615, 12.9139, 24.7720



2.5845, 1.2762, 2.6593

Previews

White Background



This preview shows how the XYZ color 38.0743, 72.4949, 21.8837 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 38.0743, 72.4949, 21.8837 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 38.0743, 72.4949, 21.8837

Background



This preview shows how black text looks on a background with the XYZ color 38.0743, 72.4949, 21.8837.

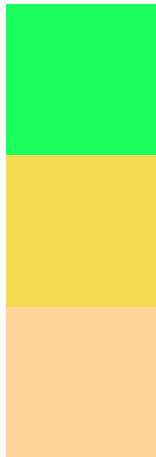


This preview shows how white text looks on a background with the XYZ color 38.0743, 72.4949,

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

38.0743, 72.4949, 21.8837

Protanopia

64.1249, 70.4902, 18.0108

Deuteranopia

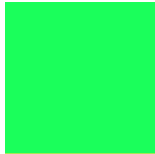
70.5333, 70.6469, 40.0557



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

38.0743, 72.4949, 21.8837



Protanomaly

46.0134, 66.3684, 18.9796



Deuteranomaly

48.7859, 65.8692, 31.2618



Tritanomaly

46.0388, 70.6199, 62.8343

Monochromacy



Original Color

38.0743, 72.4949, 21.8837



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.5904, 46.9150, 32.1488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0743, 72.4949, 21.8837 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(26, 255, 91)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 255, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 91) }
```

Border

The CSS property to change the border of an element to XYZ 38.0743, 72.4949, 21.8837 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(26, 255, 91) }
```


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

```
.border{ border-color:rgb(26, 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(26, 255, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0743, 72.4949, 21.8837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 91) }
```

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

```
.background{ background-color: rgb(26, 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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