

Converting Colors

XYZ(38.4873, 72.7099, 21.8114)

Have a look what the booklet for
XYZ(38.4873, 72.7099, 21.8114)
contains.

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Color

**XYZ(38.5234, 72.7264,
21.9047)**

Conversions

Conversions Part 1

Format	Color
Hex	28FF5B
RGB	40, 255, 91
RGB Percent	16%, 100%, 36%
CMY	0.8431, 0.0000, 0.6431
CMYK	0.84, 0.00, 0.64, 0.00
HSL	134°, 100%, 58%
HSV	134°, 84%, 100%
XYZ	38.5234, 72.7264, 21.9047
YIQ	172.0190, -75.4960, -96.5840

Conversions

Conversions Part 2

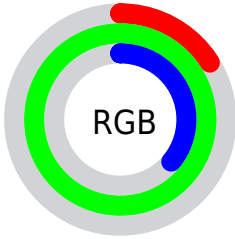
Format	Color
RYB	40, 214, 255
Decimal	2686811
CIELab	88.32, -79.62, 62.67
CIELCh	88, 101.321, 141.793
Yxy	72.7264, 0.2893, 0.5462
Android (android.graphics.Color)	4280876891 (0xFF28FF5B)
YUV	172.0190, -39.9424, -115.7807
Hunter-Lab	85.2798, -68.6059, 44.4668

Details

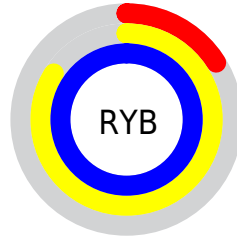
The XYZ color **38.5234, 72.7264, 21.9047** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **52.8978, 27.1374, 59.5758**, and the grayscale version is **39.4461, 41.5004, 45.1939**.

A 20% lighter version of the original color is **49.7789, 78.1386, 40.0624**, and **19.9743, 39.5736, 7.8140** is the 20% darker color. If you saturate the color by 10%, you get **37.1042, 72.0795, 18.0120**, and if you desaturate by 10%, it is **40.8128, 73.7968, 26.9755**.

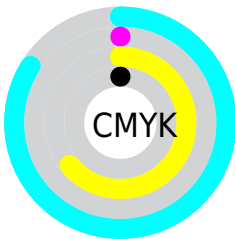
Distribution



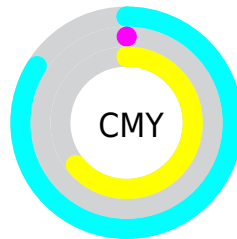
- Red (16%)
- Green (100%)
- Blue (36%)



- Red (16%)
- Yellow (84%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5234, 72.7264, 21.9047 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 38.5234, 72.7264, 21.9047 by changing the saturation by 10% instead.


 38.5234, 72.7264,
21.9047


 38.5234, 72.7264,
21.9047


331.1021,
470.0660, 274.9854


 26.5682, 53.7523,
13.5892


 72.2084, 123.0887,
47.4886


 17.3841, 38.4036,
7.7001


 94.6689, 155.2457,
65.5941

 10.6057, 26.2961,
3.8186


 121.3620,
192.5658, 87.8001

 5.8677, 17.0453,
1.5264

 152.6529,
235.4333, 114.5251

 2.8047, 10.2668,
0.2375

188.9070,
284.2327, 146.1875

 1.0513, 5.5762,
0.0000

230.4896,

 0.0000, 2.5891,

339.3483, 183.2060

0.0000

277.7662,
401.1647, 225.9992

■ 0.0000, 0.9212,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5234, 72.7264,
21.9047

■ 38.5234, 72.7264,
21.9047

■ 37.1042, 72.0795,
18.0120


■ 40.8128, 73.7968,
26.9755


■ 36.5887, 71.8515,
16.2837


■ 44.0977, 75.3535,
33.3068


■ 48.4830, 77.4490,
40.9775

■ 54.0594, 80.1285,
50.0590

 60.9080, 83.4325,
60.6176

 69.1027, 87.3977,
72.7151

 78.7116, 92.0581,
86.4102

 89.7981, 97.4452,
101.7581

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.



53.1867, 72.7264, 8.5898



38.5234, 72.7264, 21.9047



32.4223, 72.7264, 61.5783

Triad

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



38.5234, 72.7264, 21.9047



62.6662, 72.7264, 299.2258



122.2250, 72.7264, 39.1689

Complementary

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



38.5234, 72.7264, 21.9047



52.8978, 27.1374, 59.5758

Split Complementary

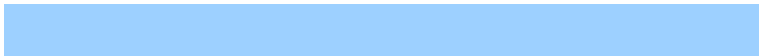
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.4567, 72.7264, 99.8675



38.5234, 72.7264, 21.9047



87.9645, 72.7264, 279.7832

Square

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



38.5234, 72.7264, 21.9047



44.0633, 72.7264, 237.7661



112.7285, 72.7264, 194.1496



102.2414, 72.7264, 13.7087

Rectangle

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



38.5234, 72.7264, 21.9047



32.7298, 72.7264, 109.8085



112.7285, 72.7264, 194.1496



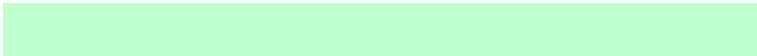
125.6986, 72.7264, 54.8632

Sweetspot

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



38.5237, 72.7266, 21.9059



68.4947, 87.1032, 71.8328



61.2742, 84.6288, 15.1133



14.0179, 18.3324, 14.4353



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.



38.5237, 72.7266, 21.9059



36.5887, 71.8515, 16.2837



46.7899, 76.0331, 65.4350



17.9481, 20.2388, 20.0299



19.1662, 37.5631, 8.7602



1.9064, 3.6735, 1.0651

Inverse Universe

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



52.8978, 27.1374, 59.5758



51.0349, 25.1779, 53.5091



44.1723, 23.6472, 13.6278



18.5976, 18.2223, 21.7639



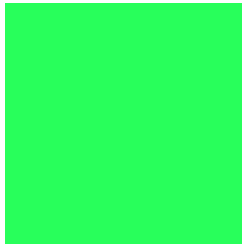
26.7279, 13.1804, 28.2812



2.6447, 1.3002, 2.9762

Previews

White Background



This preview shows how the XYZ color 38.5234, 72.7264, 21.9047 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 38.5234, 72.7264, 21.9047 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 38.5234, 72.7264, 21.9047

Background



This preview shows how black text looks on a background with the XYZ color 38.5234, 72.7264, 21.9047.

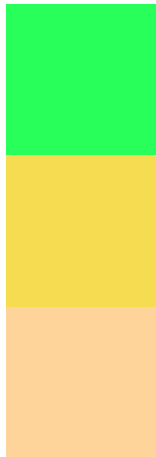


This preview shows how white text looks on a background with the XYZ color 38.5234, 72.7264,

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

38.5234, 72.7264, 21.9047

Protanopia

64.7346, 71.1930, 18.1143

Deuteranopia

70.6162, 70.6801, 40.4926



Tritanopia

56.5026, 71.9993, 105.5270

Trichromacy



Original Color

38.5234, 72.7264, 21.9047



Protanomaly

47.3562, 67.4798, 19.1233



Deuteranomaly

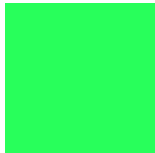
49.9716, 66.4726, 31.6694



Tritanomaly

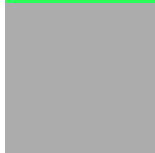
46.7152, 70.9687, 62.8659

Monochromacy



Original Color

38.5234, 72.7264, 21.9047



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.3906, 48.5093, 33.5373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5234, 72.7264, 21.9047 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(40, 255, 91)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 255, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 91) }
```

Border

The CSS property to change the border of an element to XYZ 38.5234, 72.7264, 21.9047 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(40, 255, 91) }
```


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

```
.border{ border-color:rgb(40, 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(40, 255, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5234, 72.7264, 21.9047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 255, 91) }
```

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

```
.background{ background-color: rgb(40, 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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