

Converting Colors

XYZ(38.9838, 72.9672, 21.7725)

Have a look what the booklet for
XYZ(38.9838, 72.9672, 21.7725)
contains.

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Color

**XYZ(38.9707, 72.9620,
21.7020)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF5A
RGB	51, 255, 90
RGB Percent	20%, 100%, 35%
CMY	0.8000, 0.0000, 0.6470
CMYK	0.80, 0.00, 0.65, 0.00
HSL	131°, 100%, 60%
HSV	131°, 80%, 100%
XYZ	38.9707, 72.9620, 21.7020
YIQ	175.1940, -68.6190, -94.5630

Conversions

Conversions Part 2

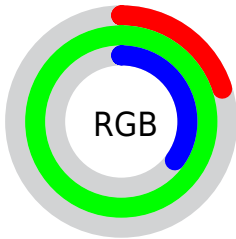
Format	Color
RYB	51, 222, 255
Decimal	3407706
CIELab	88.43, -78.68, 63.22
CIELCh	88, 100.931, 141.214
Yxy	72.9620, 0.2916, 0.5460
Android (android.graphics.Color)	4281597786 (0xFF33FF5A)
YUV	175.1940, -42.0006, -108.9181
Hunter-Lab	85.4178, -68.0430, 44.7287

Details

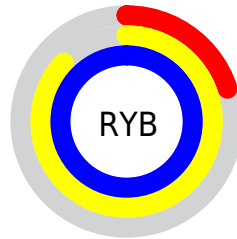
The XYZ color **38.9707, 72.9620, 21.7020** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **54.8180, 28.5854, 67.5914**, and the grayscale version is **41.0846, 43.2242, 47.0712**.

A 20% lighter version of the original color is **50.4640, 78.5009, 39.6866**, and **20.1759, 40.0163, 7.7592** is the 20% darker color. If you saturate the color by 10%, you get **37.2594, 72.1675, 17.6584**, and if you desaturate by 10%, it is **41.6294, 74.2167, 27.0634**.

Distribution



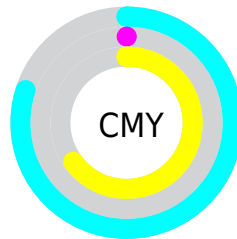
- Red (20%)
- Green (100%)
- Blue (35%)



- Red (20%)
- Yellow (87%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9707, 72.9620, 21.7020 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 38.9707, 72.9620, 21.7020 by changing the saturation by 10% instead.

■ 38.9707, 72.9620,
21.7020

■ 38.9707, 72.9620,
21.7020

332.9752,
470.8831, 273.8886

■ 26.9176, 53.9449,
13.4419

■ 72.8879, 123.4233,
47.1488

■ 17.6476, 38.5576,
7.5992

■ 95.4827, 155.6362,
65.1726

■ 10.7954, 26.4157,
3.7555

■ 122.3221,
193.0166, 87.2880

■ 5.9957, 17.1349,
1.4922

■ 153.7714,
235.9487, 113.9136

■ 2.8831, 10.3307,
0.2121

190.1960,
284.8170, 145.4680

■ 1.0923, 5.6188,
0.0000

231.9613,

■ 0.0186, 2.6147,

340.0059, 182.3695

0.0000

279.4326,
401.8998, 225.0369

0.0000, 0.9341,
0.0000

0.0000, 0.0000,
0.0000

38.9707, 72.9620,
21.7020

38.9707, 72.9620,
21.7020

37.2594, 72.1675,
17.6584

41.6294, 74.2167,
27.0634

36.3093, 71.7397,
14.8123

45.3536, 75.9905,
33.8404

36.3092, 71.7397,
14.8122

50.2448, 78.3336,
42.1255

56.3920, 81.2904,
52.0020

■ 63.8753, 84.9004,
63.5476

■ 72.7682, 89.2000,
76.8345

■ 83.1388, 94.2228,
91.9308

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.



53.8004, 72.9620, 8.6449



38.9707, 72.9620, 21.7020



32.7077, 72.9620, 60.7346

Triad

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



38.9707, 72.9620, 21.7020



62.4643, 72.9620, 298.1276



122.5600, 72.9620, 40.2424

Complementary

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



38.9707, 72.9620, 21.7020



54.8180, 28.5854, 67.5914

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.



126.4207, 72.9620, 101.6462



38.9707, 72.9620, 21.7020



87.6353, 72.9620, 280.4126

Square

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



38.9707, 72.9620, 21.7020



44.0389, 72.9620, 235.7169



112.4370, 72.9620, 195.9579



102.8663, 72.9620, 14.1800

Rectangle

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



38.9707, 72.9620, 21.7020



32.9162, 72.9620, 108.3612



112.4370, 72.9620, 195.9579



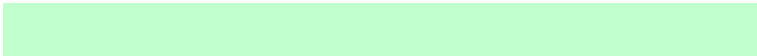
125.9091, 72.9620, 56.1904

Sweetspot

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



38.9710, 72.9621, 21.7032



69.0369, 87.3949, 71.3056



65.1516, 86.6029, 16.4143



14.1073, 18.3825, 14.2598



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.



38.9710, 72.9621, 21.7032



36.6263, 71.8813, 15.8156



46.4634, 75.9591, 61.1577



17.9134, 20.2249, 19.8472



19.0125, 37.5016, 7.9513



1.8869, 3.6657, 0.9620

Inverse Universe

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



54.8180, 28.5854, 67.5914



52.7599, 26.0451, 62.0468



45.5531, 24.8795, 18.8029



18.6350, 18.2373, 21.9609



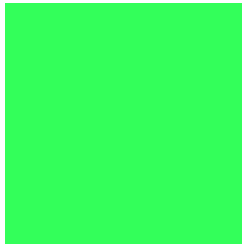
27.4386, 13.4647, 32.0240



2.7081, 1.3256, 3.3104

Previews

White Background



This preview shows how the XYZ color 38.9707, 72.9620, 21.7020 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 38.9707, 72.9620, 21.7020 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 38.9707, 72.9620, 21.7020

Background



This preview shows how black text looks on a background with the XYZ color 38.9707, 72.9620, 21.7020.

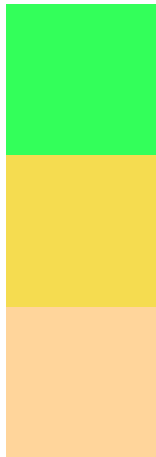


This preview shows how white text looks on a background with the XYZ color 38.9707, 72.9620,

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

38.9707, 72.9620, 21.7020

Protanopia

64.6974, 71.1781, 17.9182

Deuteranopia

70.9506, 71.2151, 41.0167



Tritanopia

56.9384, 72.2240, 105.5474

Trichromacy



Original Color

38.9707, 72.9620, 21.7020



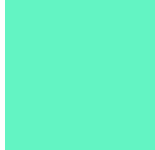
Protanomaly

48.1947, 67.9166, 18.9566



Deuteranomaly

50.8962, 66.9493, 31.7127



Tritanomaly

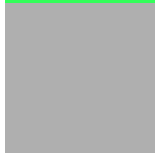
47.3466, 71.2941, 62.8955

Monochromacy



Original Color

38.9707, 72.9620, 21.7020



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.8328, 49.9452, 34.1374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9707, 72.9620, 21.7020 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(51, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 90)  
}
```

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(51, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 38.9707, 72.9620, 21.7020 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(51, 255, 90) }
```


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

```
.border{ border-color:rgb(51, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9707, 72.9620, 21.7020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 90) }
```

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

```
.background{ background-color: rgb(51, 255,  
90) }
```

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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