

Converting Colors

XYZ(38.8434, 72.9111, 21.0315)

Have a look what the booklet for
XYZ(38.8434, 72.9111, 21.0315)
contains.

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Color

**XYZ(38.8455, 72.9119,
21.0429)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF57
RGB	51, 255, 87
RGB Percent	20%, 100%, 34%
CMY	0.8000, 0.0000, 0.6588
CMYK	0.80, 0.00, 0.66, 0.00
HSL	131°, 100%, 60%
HSV	131°, 80%, 100%
XYZ	38.8455, 72.9119, 21.0429
YIQ	174.8520, -67.6560, -95.4960

Conversions

Conversions Part 2

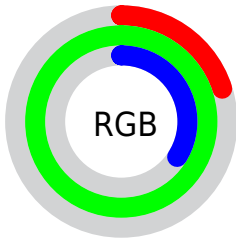
Format	Color
RYB	51, 224, 255
Decimal	3407703
CIELab	88.41, -78.97, 64.38
CIELCh	88, 101.886, 140.813
Yxy	72.9119, 0.2925, 0.5490
Android (android.graphics.Color)	4281597783 (0xFF33FF57)
YUV	174.8520, -43.3110, -108.6182
Hunter-Lab	85.3885, -68.2254, 45.1607

Details

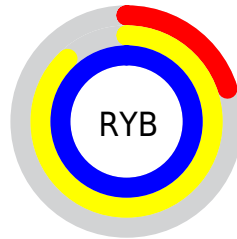
The XYZ color **38.8455, 72.9119, 21.0429** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **55.2094, 28.7419, 69.6524**, and the grayscale version is **40.9132, 43.0439, 46.8748**.

A 20% lighter version of the original color is **50.2336, 78.4087, 38.4734**, and **20.1111, 39.9904, 7.4180** is the 20% darker color. If you saturate the color by 10%, you get **37.1569, 72.1265, 17.1187**, and if you desaturate by 10%, it is **41.4875, 74.1599, 26.3164**.

Distribution



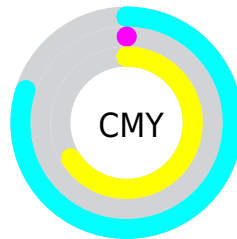
- Red (20%)
- Green (100%)
- Blue (34%)



- Red (20%)
- Yellow (88%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8455, 72.9119, 21.0429 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 38.8455, 72.9119, 21.0429 by changing the saturation by 10% instead.


 38.8455, 72.9119,
21.0429


 38.8455, 72.9119,
21.0429


332.4517,
470.7094, 270.2949

 26.8197, 53.9039,
12.9638


 72.6978, 123.3521,
46.0406


 17.5738, 38.5249,
7.2732


 95.2551, 155.5532,
63.7964

 10.7422, 26.3903,
3.5525


 122.0536,
192.9207, 85.6147

 5.9598, 17.1159,
1.3832

 153.4586,
235.8391, 111.9143

 2.8611, 10.3171,
0.1286

189.8356,
284.6928, 143.1135

 1.0807, 5.6097,
0.0000

231.5499,

 0.0089, 2.6093,

339.8661, 179.6310

0.0000

278.9668,
401.7436, 221.8853

0.0000, 0.9313,
0.0000

0.0000, 0.0000,
0.0000

38.8455, 72.9119,
21.0429

38.8455, 72.9119,
21.0429

37.1569, 72.1265,
17.1187

41.4875, 74.1599,
26.3164

36.2338, 71.7095,
14.4149

45.2023, 75.9299,
33.0439

36.2338, 71.7095,
14.4149

50.0925, 78.2727,
41.3237

56.2480, 81.2328,
51.2445

■ 63.7499, 84.8502,
62.8884

■ 72.6725, 89.1617,
76.3317

■ 83.0846, 94.2011,
91.6464

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.



53.8856, 72.9119, 8.2914



38.8455, 72.9119, 21.0429



32.4464, 72.9119, 59.7519

Triad

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



38.8455, 72.9119, 21.0429



62.0537, 72.9119, 300.6639



123.2664, 72.9119, 40.4784

Complementary

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



38.8455, 72.9119, 21.0429



55.2094, 28.7419, 69.6524

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.



126.9245, 72.9119, 102.9155



38.8455, 72.9119, 21.0429



87.4063, 72.9119, 283.8185

Square

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



38.8455, 72.9119, 21.0429



43.6112, 72.9119, 236.4116



112.5596, 72.9119, 198.6584



103.4991, 72.9119, 14.0393

Rectangle

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



38.8455, 72.9119, 21.0429



32.5864, 72.9119, 107.4574



112.5596, 72.9119, 198.6584



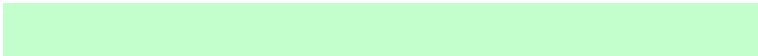
126.5778, 72.9119, 56.6902

Sweetspot

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



38.8458, 72.9120, 21.0441



68.9282, 87.3514, 70.7333



66.1764, 87.1312, 16.4622



14.0819, 18.3723, 14.1257



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.



38.8458, 72.9120, 21.0441



36.5397, 71.8466, 15.3593



46.0949, 75.8117, 59.2175



17.9024, 20.2205, 19.7891



18.9706, 37.4848, 7.7303



1.8812, 3.6634, 0.9323

Inverse Universe

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



55.2094, 28.7419, 69.6524



53.2084, 26.2245, 64.4086



45.7537, 24.9596, 19.8591



18.6470, 18.2421, 22.0240



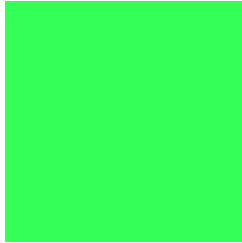
27.6770, 13.5601, 33.2791



2.7293, 1.3341, 3.4216

Previews

White Background



This preview shows how the XYZ color 38.8455, 72.9119, 21.0429 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 38.8455, 72.9119, 21.0429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

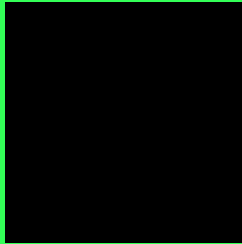
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8455, 72.9119, 21.0429

Background



This preview shows how black text looks on a background with the XYZ color 38.8455, 72.9119, 21.0429.

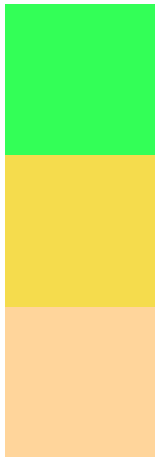


This preview shows how white text looks on a background with the XYZ color 38.8455, 72.9119,

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

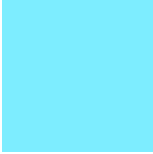
38.8455, 72.9119, 21.0429

Protanopia

64.5889, 71.1347, 17.3473

Deuteranopia

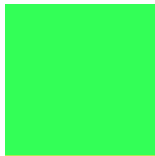
70.9506, 71.2151, 41.0167



Tritanopia

56.7916, 72.1483, 105.5405

Trichromacy



Original Color

38.8455, 72.9119, 21.0429



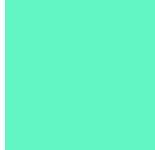
Protanomaly

48.0797, 67.8706, 18.3508



Deuteranomaly

50.8287, 66.9223, 31.3574



Tritanomaly

47.1253, 71.1931, 62.2968

Monochromacy



Original Color

38.8455, 72.9119, 21.0429



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.7567, 49.9147, 33.7365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8455, 72.9119, 21.0429 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 87) }
```

Border

The CSS property to change the border of an element to XYZ 38.8455, 72.9119, 21.0429 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, 87) }
```


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

```
.border{ border-color:rgb(51, 255, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8455, 72.9119, 21.0429 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, 87) }
```

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

```
.background{ background-color: rgb(51, 255,  
87) }
```

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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