

Converting Colors

XYZ(38.4746, 72.7071, 21.6414)

Have a look what the booklet for
XYZ(38.4746, 72.7071, 21.6414)
contains.

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Color

**XYZ(38.4805, 72.7093,
21.6790)**

Conversions

Conversions Part 1

Format	Color
Hex	28FF5A
RGB	40, 255, 90
RGB Percent	16%, 100%, 35%
CMY	0.8431, 0.0000, 0.6470
CMYK	0.84, 0.00, 0.65, 0.00
HSL	134°, 100%, 58%
HSV	134°, 84%, 100%
XYZ	38.4805, 72.7093, 21.6790
YIQ	171.9050, -75.1750, -96.8950

Conversions

Conversions Part 2

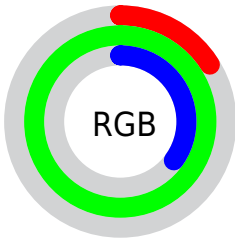
Format	Color
RYB	40, 214, 255
Decimal	2686810
CIELab	88.31, -79.72, 63.06
CIELCh	88, 101.643, 141.656
Yxy	72.7093, 0.2896, 0.5472
Android (android.graphics.Color)	4280876890 (0xFF28FF5A)
YUV	171.9050, -40.3792, -115.6807
Hunter-Lab	85.2697, -68.6686, 44.6149

Details

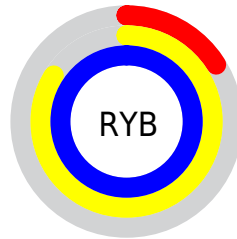
The XYZ color **38.4805, 72.7093, 21.6790** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **53.0178, 27.1853, 60.2081**, and the grayscale version is **39.3900, 41.4413, 45.1296**.

A 20% lighter version of the original color is **49.7007, 78.1073, 39.6509**, and **19.9495, 39.5637, 7.6837** is the 20% darker color. If you saturate the color by 10%, you get **37.0683, 72.0651, 17.8230**, and if you desaturate by 10%, it is **40.7647, 73.7775, 26.7226**.

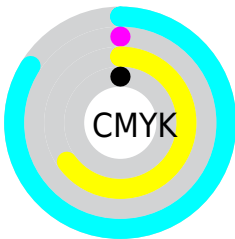
Distribution



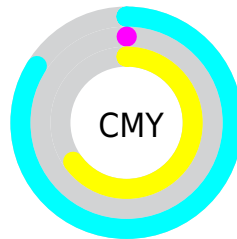
- Red (16%)
- Green (100%)
- Blue (35%)



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



- Cyan (84%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4805, 72.7093, 21.6790 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 38.4805, 72.7093, 21.6790 by changing the saturation by 10% instead.


 38.4805, 72.7093,
21.6790


 38.4805, 72.7093,
21.6790


330.9220,
470.0067, 273.7639


 26.5347, 53.7383,
13.4252


 72.1432, 123.0644,
47.1102


 17.3589, 38.3925,
7.5878


 94.5908, 155.2174,
65.1247

 10.5876, 26.2874,
3.7484


 121.2698,
192.5330, 87.2299

 5.8555, 17.0388,
1.4883

 152.5454,
235.3959, 113.8442

 2.7972, 10.2622,
0.2092

188.7831,
284.1903, 145.3862

 1.0475, 5.5731,
0.0000

230.3482,

 0.0000, 2.5873,

339.3006, 182.2745

0.0000

277.6061,
401.1113, 224.9275

■ 0.0000, 0.9203,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4805, 72.7093,
21.6790

■ 38.4805, 72.7093,
21.6790

■ 37.0683, 72.0651,
17.8230


■ 40.7647, 73.7775,
26.7226


■ 36.5574, 71.8390,
16.1191


■ 44.0465, 75.3330,
33.0382


■ 48.4312, 77.4282,
40.7063

■ 54.0098, 80.1086,
49.7997

 60.8636, 83.4146,
60.3858

 69.0667, 87.3832,
72.5280

 78.6873, 92.0483,
86.2857

 89.7892, 97.4416,
101.7153

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.



53.2142, 72.7093, 8.4694



38.4805, 72.7093, 21.6790



32.3336, 72.7093, 61.2432

Triad

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



38.4805, 72.7093, 21.6790



62.5273, 72.7093, 300.0894



122.4635, 72.7093, 39.2452

Complementary

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



38.4805, 72.7093, 21.6790



53.0178, 27.1853, 60.2081

Split Complementary

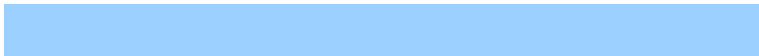
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.6279, 72.7093, 100.2881



38.4805, 72.7093, 21.6790



87.8878, 72.7093, 280.9325

Square

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



38.4805, 72.7093, 21.6790



43.9183, 72.7093, 238.0083



112.7712, 72.7093, 195.0532



102.4538, 72.7093, 13.6611

Rectangle

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



38.4805, 72.7093, 21.6790



32.6180, 72.7093, 109.5027



112.7712, 72.7093, 195.0532



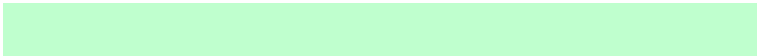
125.9248, 72.7093, 55.0270

Sweetspot

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



38.4808, 72.7094, 21.6802



68.4587, 87.0888, 71.6431



62.2728, 85.1436, 15.1598



14.0095, 18.3291, 14.3910



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.



38.4808, 72.7094, 21.6802



36.5574, 71.8390, 16.1191



46.3821, 75.8699, 63.2880



17.9446, 20.2374, 20.0114



19.1491, 37.5562, 8.6703



1.9043, 3.6727, 1.0540

Inverse Universe

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



53.0178, 27.1853, 60.2081



51.1689, 25.2315, 54.2147



44.3438, 23.7156, 14.5312



18.6013, 18.2238, 21.7837



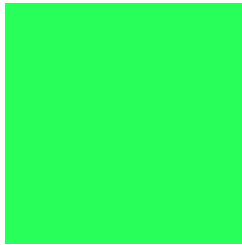
26.7972, 13.2082, 28.6461



2.6509, 1.3027, 3.0090

Previews

White Background



This preview shows how the XYZ color 38.4805, 72.7093, 21.6790 looks on a white background.

Color Contrast Check

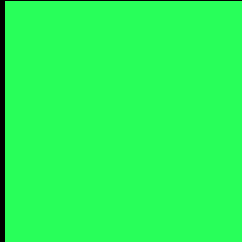
Large Text (above 18pt) WCAG AA × Fail

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 38.4805, 72.7093, 21.6790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

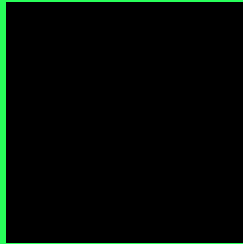
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4805, 72.7093, 21.6790

Background



This preview shows how black text looks on a background with the XYZ color 38.4805, 72.7093, 21.6790.

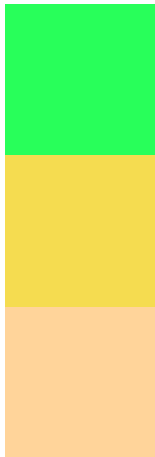


This preview shows how white text looks on a background with the XYZ color 38.4805, 72.7093,

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

38.4805, 72.7093, 21.6790

Protanopia

64.6974, 71.1781, 17.9182

Deuteranopia

70.6162, 70.6801, 40.4926



Tritanopia

56.5026, 71.9993, 105.5270

Trichromacy



Original Color

38.4805, 72.7093, 21.6790



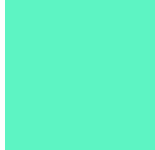
Protanomaly

47.3167, 67.4640, 18.9155



Deuteranomaly

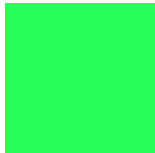
49.9716, 66.4726, 31.6694



Tritanomaly

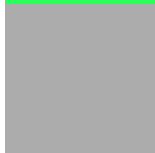
46.7152, 70.9687, 62.8659

Monochromacy



Original Color

38.4805, 72.7093, 21.6790



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.3152, 48.4791, 33.1400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4805, 72.7093, 21.6790 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 38.4805, 72.7093, 21.6790 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, 90) }
```


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

```
.border{ border-color:rgb(40, 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(40, 255, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4805, 72.7093, 21.6790 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, 90) }
```

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

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