

# Converting Colors

XYZ(39.6080, 70.8950, 27.9685)

Have a look what the booklet for  
XYZ(39.6080, 70.8950, 27.9685)  
contains.

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# Color

**XYZ(39.5848, 70.7904,  
28.1006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42FA74
RGB	66, 250, 116
RGB Percent	26%, 98%, 45%
CMY	0.7412, 0.0196, 0.5451
CMYK	0.74, 0.00, 0.54, 0.02
HSL	136°, 95%, 62%
HSV	136°, 74%, 98%
XYZ	39.5848, 70.7904, 28.1006
YIQ	179.7080, -66.6500, -80.6820

# Conversions

## Conversions Part 2

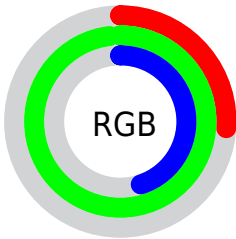
Format	Color
<a href="#">RYB</a>	<a href="#">66, 211, 250</a>
Decimal	<a href="#">4389492</a>
CIELab	<a href="#">87.38, -72.22, 50.91</a>
CIELCh	<a href="#">87, 88.364, 144.819</a>
Yxy	<a href="#">70.7904, 0.2859, 0.5112</a>
Android (android.graphics.Color)	<a href="#">4282579572</a> ( <a href="#">0xFF42FA74</a> )
YUV	<a href="#">179.7080, -31.4080, -99.7219</a>
Hunter-Lab	<a href="#">84.1370, -63.2591, 39.0939</a>

# Details

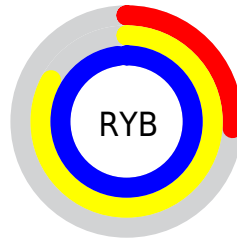
The XYZ color **39.5848, 70.7904, 28.1006** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **51.8000, 28.3919, 57.3958**, and the grayscale version is **43.4162, 45.6772, 49.7425**.

A 20% lighter version of the original color is **53.5919, 79.8635, 51.1187**, and **19.7468, 38.0582, 11.0078** is the 20% darker color. If you saturate the color by 10%, you get **37.2965, 69.7234, 22.9973**, and if you desaturate by 10%, it is **42.8195, 72.3253, 34.3347**.

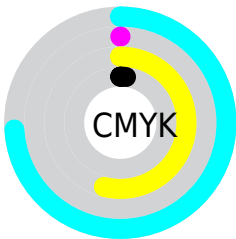
# Distribution



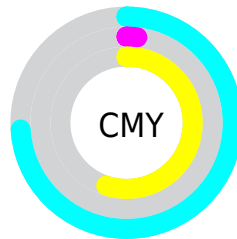
- Red (26%)
- Green (98%)
- Blue (45%)



- Red (26%)
- Yellow (83%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (54%)
- Black (2%)




- Cyan (74%)
- Magenta (2%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5848, 70.7904, 28.1006 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 39.5848, 70.7904, 28.1006 by changing the saturation by 10% instead.





 39.5848, 70.7904,  
28.1006


 39.5848, 70.7904,  
28.1006


335.5350,  
463.3204, 306.8744


 27.3977, 52.1712,  
18.1618


 73.8192, 120.3352,  
57.6700


 18.0103, 37.1415,  
10.8956


 96.5973, 152.0296,  
78.1378

 11.0571, 25.3171,  
5.8834


 123.6364,  
188.8512, 102.9522

 6.1728, 16.3135,  
2.7067

 155.3019,  
231.1843, 132.5320

 2.9921, 9.7462,  
0.9468

191.9591,  
279.4134, 167.2955

 1.1496, 5.2310,  
0.0000

233.9735,

 0.0660, 2.3834,

333.9228, 207.6614

0.0000

281.7103,  
395.0970, 254.0482

■ 0.0000, 0.8174,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.5848, 70.7904,  
28.1006

■ 39.5848, 70.7904,  
28.1006

■ 37.2965, 69.7234,  
22.9973

■ 42.8195, 72.3253,  
34.3347


■ 35.8335, 69.0572,  
18.9510


■ 47.0917, 74.3679,  
41.7578


■ 35.2284, 68.7905,  
16.8798


■ 52.4871, 76.9630,  
50.4295

■ 59.0808, 80.1482,  
60.4042

 66.9412, 83.9578,  
71.7330

 76.1316, 88.4233,  
84.4640

 86.7106, 93.5741,  
98.6433

 93.4770, 96.8539,  
108.3757

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8424, 70.7904, 12.8274



39.5848, 70.7904, 28.1006



34.7753, 70.7904, 67.1841

# Triad

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



39.5848, 70.7904, 28.1006



63.7342, 70.7904, 256.8839



110.5445, 70.7904, 38.2790

# Complementary

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



39.5848, 70.7904, 28.1006



51.8000, 28.3919, 57.3958

# 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.



115.5377, 70.7904, 87.9000



39.5848, 70.7904, 28.1006



85.5229, 70.7904, 234.9602

# Square

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



39.5848, 70.7904, 28.1006



46.7570, 70.7904, 213.8636



105.5881, 70.7904, 163.7857



93.0808, 70.7904, 16.2209



# Rectangle

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



39.5848, 70.7904, 28.1006



35.5329, 70.7904, 110.2733



105.5881, 70.7904, 163.7857



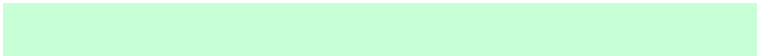
113.8711, 70.7904, 51.3194

# Sweetspot

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



39.5865, 70.7933, 28.1022



71.4427, 88.5109, 77.0341



59.2410, 81.1761, 17.7010



14.7724, 18.6929, 15.7559



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.



39.5865, 70.7933, 28.1022



38.2265, 72.5705, 22.0217



47.7051, 74.0407, 70.8538



17.2111, 19.3867, 19.3123



18.7368, 36.5077, 9.2233



1.7777, 3.3982, 1.0775



# Inverse Universe

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



51.8000, 28.3919, 57.3958



51.4596, 26.1152, 53.3800



44.1312, 25.3244, 17.0123



17.7800, 17.4393, 20.6970



25.4576, 12.5988, 24.9162

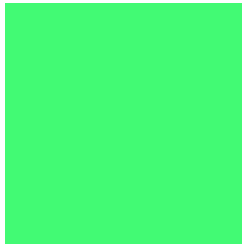


2.4022, 1.1846, 2.5414



# Previews

## White Background



This preview shows how the XYZ color 39.5848, 70.7904, 28.1006 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 39.5848, 70.7904, 28.1006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

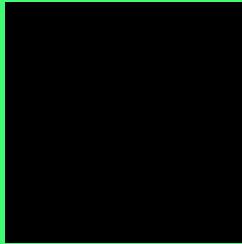
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

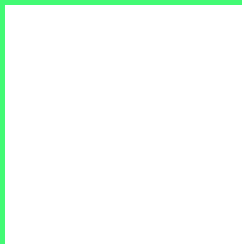
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5848, 70.7904, 28.1006**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5848, 70.7904, 28.1006.



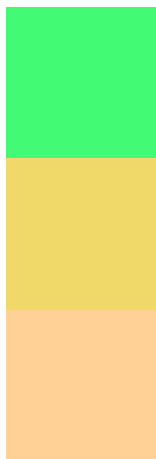
This preview shows how white text looks on a background with the XYZ color 39.5848, 70.7904,



# 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

39.5848, 70.7904, 28.1006

### Protanopia

63.2978, 69.1709, 23.3798

### Deuteranopia

69.6264, 69.0953, 38.9452



## Tritanopia

54.5372, 70.1498, 104.4318

# Trichromacy



## Original Color

39.5848, 70.7904, 28.1006



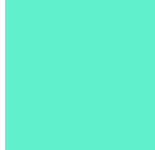
## Protanomaly

48.9111, 66.4899, 24.7239



## Deuteranomaly

51.4928, 65.5854, 33.9900



## Tritanomaly

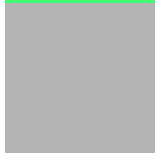
46.9889, 69.2212, 68.0112

# Monochromacy



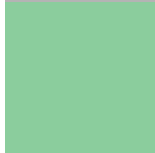
## Original Color

39.5848, 70.7904, 28.1006



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

38.5646, 51.5859, 39.8228

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5848, 70.7904, 28.1006 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(66, 250, 116)` looks like.

```
.text, #text, p{  
    color:rgb(66, 250, 116)  
}
```

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(66, 250, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 250, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5848, 70.7904, 28.1006 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(66, 250, 116) }
```



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

```
.border{ border-color:rgb(66, 250, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 250, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 250, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 250, 116);  
box-shadow:4px 4px 4px 4px rgb(66, 250,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5848, 70.7904, 28.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 250, 116) }
```

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

```
.background{ background-color: rgb(66, 250,  
116) }
```

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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